

From arc5 at ix.netcom.com Sun Jul 1 07:48:41 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 1 Jul 2012 06:48:41 -0500
Subject: [BoatAnchors] Collins 30L-1 Working!
Message-ID: <A0B82135F3B445F58F5A3FA2B395C3A4@DaddyPC>

A note of thanks to everyone who helped with
the dead 30L-1. It is back on the air.
The diagram pointed me in the right direction.

It was a wicked strange problem.
The ground at the filament center tap
terminal strip would go hi-Z with all the covers on
and the tubes lit, but when I took off the covers for
testing and set it on its side, the meter said it was
fine. The clue was a little bit of crud around the
ground screw head. I tightened it up about a quarter
turn (along with all the other ground screws I could find)
and that fixed it. 20 watts in from one of my little
mil rigs is now sending 200 watts out.
I should have known this, because tightening
the grounds is one of the first things I do
when working on a WWII set.

Now to hunt for a cabinet (like everyone else ;-).
Why are so many 30L-1s missing thier cabinet??

Thanks for your help.
73 DE Dave AB5S

From arc5 at ix.netcom.com Sun Jul 1 11:08:28 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 1 Jul 2012 10:08:28 -0500
Subject: [BoatAnchors] LOL... 3885 Mil-Net Guy
Message-ID: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>

OK Ya'll.... here's the ultimate "wannabe" mil-radio
guy, checking into the 3885 KC net at Dayton:

<http://tinyurl.com/6uj5pre>

From esieb at sympatico.ca Sun Jul 1 14:41:26 2012
From: esieb at sympatico.ca (Ed Sieb)
Date: Sun, 1 Jul 2012 14:41:26 -0400

Subject: [BoatAnchors] LOL... 3885 Mil-Net Guy
In-Reply-To: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
References: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
Message-ID: <BLU0-SMTP515175EA668F21BC1E900AC9EB0@phx.gbl>

Hah! He's using a rather obscure CB walky-talky, made by "21st Century Toys". It's a faithful, 3/4 size reproduction of an actual BC611. Contains all the correct markings, attachments and bits. Even the Signal Corps nomenclature tag is authentically reproduced. It is an actual superheterodyne radio (not some cheap superregen "rush-box"), that operates not on CH 14, (the typical CB walky-talky channel) but on 27.145, an RC channel. It's an interesting radio artifact. Unfortunately, I only own one pair. I didn't have the presence of mind to buy more. They were on sale by our local Canadian version of Harbor Freight, "Princess Auto", for \$19.95 a set. I should have bought more. I have attached a picture.

http://images.cloud.worthpoint.com/wpimages/images/images1/1/0107/01/1_0442dec224b13d599c0ee702a10dced5.jpg

http://s.eocrater.com/stores/228114/4e95b451dd140_228114b.jpg

http://s.eocrater.com/stores/228114/4e95dc1cf1062_228114b.jpg

David Stinson wrote:

OK Ya'll.... here's the ultimate "wannabe" mil-radio guy, checking into the 3885 KC net at Dayton:
<http://tinyurl.com/6uj5pre>

From arc5 at ix.netcom.com Sun Jul 1 15:36:26 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 1 Jul 2012 14:36:26 -0500
Subject: [BoatAnchors] "Antique" Silicon (?) Diodes
Message-ID: <0A645E74E07A499BA8E741ABA3EAA469@DaddyPC>

Is there anyone amongst us who seriously collects early semiconductors? I have some epoxy-encased diodes that appear to be early silicon. Photos at:

<http://home.netcom.com/~arc5/olddiodes.JPG>

If anyone has any details on these, it would be interesting. These are obviously collectables, not to be used in service. But I tested representative batches anyway. The large green ones, marked "1YR1" and with a red dot

at the cathode end, are about 80% good
when tested with a 30 volt source and a 28 volt pilot lamp
load. Forward drop is about 1 volt, which suggest silicon I think.

The gray ones are unmarked except for a red dot at the cathode end
and come in two sizes, "small" and "large(er)".
ALL of them test hi-Z. About half are open. The rest still act like
diodes, but with large forward voltage drops- like 15 volts.

I have four lots, each of which contains ten of the large "1YR1"
diodes, about 50 of the small gray and 8 of the large gray.

Any collector can have them for shipping.
I'm guessing \$4 will ship them anywhere in the U.S.
Overseas shipping at cost, with "first call"
to our excellent members in Australia.

73 Dave AB5S

From k0dan at comcast.net Sun Jul 1 17:09:49 2012
From: k0dan at comcast.net (K0DAN)
Date: Sun, 1 Jul 2012 16:09:49 -0500
Subject: [BoatAnchors] DAVID CLARK HEADSET STATION (QTY 4)
In-Reply-To: <0A645E74E07A499BA8E741ABA3EAA469@DaddyPC>
References: <0A645E74E07A499BA8E741ABA3EAA469@DaddyPC>
Message-ID: <11EC01D68674475DAC336D3DB27386E2@K0DANHamshack>

I have four David Clark Headset Stations P/N 40380G-05 I would like to sell.
They are used, but in like-new condition. I believe these were used as
headset interface boxes on the pump panel of fire trucks. They are
weatherproof boxes, approx. 5x3x2.3" and would make great housings for a
remote antenna switch, audio interface, tower control box, etc., and the
components may be of use in your latest boatanchor restoration project.

External components are very high-quality 1/4" jack (with weather flap,
heavy duty PTT switch, LED, volume control with knurled knob, and a heavy
weather proof strain relief fitting. Internal components include a circuit
board loaded with components including several caps, relays, audio
transformers and screw-terminal connector blocks.

These can be viewed here:
<http://www.davidclark.com/PDFFiles/PL19518P-09.pdf>

These sold for \$400/each new, I'm selling all four of them for \$20 plus
shipping.

I can send you some photos if you're interested...please contact me off list.

Thanks and 73

Dan
K0DAN

From arc5 at ix.netcom.com Sun Jul 1 17:28:25 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 1 Jul 2012 16:28:25 -0500
Subject: [BoatAnchors] Question for Tektronix Folks
Message-ID: <9603E8B311C745BC9BA403F5BAB54A9@de11gx280>

My bench scope is a Tek. 454 (have two of them).
The vertical amp railed and I found one of the 2N4275 transistors open-collector.
The specs for a 2N2222 show it more robust than the 4275, but it tops at 250 MHz vs. the 4275's 400 MHz, plus the 2222 has double the collector capacitance, 8 pF vs 4 pF. Still pretty small.
So will a 2222 work for now or am I going to mung it up while I wait for the right transistor?

TNX ES 73 DE Dave AB5S

From w8au at sssnet.com Sun Jul 1 17:42:26 2012
From: w8au at sssnet.com (w8au at sssnet.com)
Date: Sun, 01 Jul 2012 17:42:26 -0400
Subject: [BoatAnchors] [Milsurplus] LOL... 3885 Mil-Net Guy
In-Reply-To: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
References: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
Message-ID: <20120701214242.4DF011E585D2@minime.theporch.com>

At 11:08 AM 7/1/2012, David Stinson wrote:
>OK Ya'll.... here's the ultimate "wannabe" mil-radio
>guy, checking into the 3885 KC net at Dayton:
>
><http://tinyurl.com/6uj5pre>

Interesting T-shirt. But that mini-toy BC-611 (Chinese) uses the radio-control channel on the CB band, and that short stub for an antenna.

Probably a good band for this guy to play on. ;-)

Perry w8au

From esieb at sympatico.ca Sun Jul 1 17:53:38 2012
From: esieb at sympatico.ca (Ed Sieb)
Date: Sun, 1 Jul 2012 17:53:38 -0400
Subject: [BoatAnchors] LOL... 3885 Mil-Net Guy
In-Reply-To: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
References: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
Message-ID: <BLU0-SMTP44081F2A1200E2FDEB6C89C9EB0@phx.gbl>

Hah! He's using a rather obscure CB walky-talky, made by "21st Century Toys". It a faithful, 3/4 size reproduction of an actual BC611. Contains all the correct markings, attachments and bits. Even the Signal Corps nomenclature tag is authentically reproduced. It is an actual superheterodyne radio (not some cheap superregen "rush-box"), that operates not on CH 14, (the typical CB walky-talky channel) but on 27.145, an RC channel. It's an interesting radio artifact. Unfortunately, I only own one pair. I didn't have the presence of mind to buy more. They were on sale by our local Canadian version of Harbor Freight, "Princess Auto", for \$19.95 a set. I should have bought more. I have attached pictures.

http://s.ecrater.com/stores/228114/4e95b451dd140_228114b.jpg
http://s.ecrater.com/stores/228114/4e95dc1cf1062_228114b.jpg

David Stinson wrote:

OK Ya'll.... here's the ultimate "wannabe" mil-radio guy, checking into the 3885 KC net at Dayton:
<http://tinyurl.com/6uj5pre>

From w8au at sssnet.com Sun Jul 1 17:57:48 2012
From: w8au at sssnet.com (w8au at sssnet.com)
Date: Sun, 01 Jul 2012 17:57:48 -0400
Subject: [BoatAnchors] LOL... 3885 Mil-Net Guy
In-Reply-To: <BLU0-SMTP515175EA668F21BC1E900AC9EB0@phx.gbl>
References: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC>
<BLU0-SMTP515175EA668F21BC1E900AC9EB0@phx.gbl>
Message-ID: <20120701220440.3FF791E587DE@minime.theporch.com>

At 02:41 PM 7/1/2012, Ed Sieb wrote:

>Hah! He's using a rather obscure CB walky-talky, made by "21st Century
>Toys". It a faithful, 3/4 size reproduction of an actual
>BC611. Contains all

>the correct markings, attachments and bits. Even the Signal
>Corps nomenclature
>tag is authentically reproduced. It is an
>actual superheterodyne radio (not
>some cheap superregen "rush-box"), that operates not on CH 14, (the
>typical CB
>walky-talky channel) but on 27.145, an RC channel. It's an
>interesting radio
>artifact. Unfortunately, I only own one pair. I didn't have the presence of
>mind to buy more. They were on sale by our local Canadian version of Harbor
>Freight, "Princess Auto", for \$19.95 a set. I should have bought
>more. I have
>attached a picture.

Thanks for the price info, Ed. The Canadian Ebay sellers were
peddling them in
the \$120 area. After getting two for my grandson, one did not work and had to
be sent back for another one. So of the two, one of them has a faulty squelch
but still works. (Heck my real 611's don't have squelch anyway)

We occasionally see used ones appearing, but with the earlier experience, they
may not work at all.

Did you find a way to open them up? There's no manual or schematic available
but if they could be easily opened without breaking them, they might
be salvageable.

w8au

>[http://images.cloud.worthpoint.com/wpimages/images/
images1/1/0107/01/1_0442dec224b
>13d599c0ee702a10dced5.jpg](http://images.cloud.worthpoint.com/wpimages/images/images1/1/0107/01/1_0442dec224b13d599c0ee702a10dced5.jpg)
>
>http://s.eocrater.com/stores/228114/4e95b451dd140_228114b.jpg
>
>http://s.eocrater.com/stores/228114/4e95dc1cf1062_228114b.jpg
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>-
>-----

From hankvc at lostwells.net Sun Jul 1 18:11:46 2012
From: hankvc at lostwells.net (HankVC)
Date: Sun, 1 Jul 2012 16:11:46 -0600 (MDT)
Subject: [BoatAnchors] Question for Tektronix Folks
In-Reply-To: <9603E8B311C745BC9BA403F5BAB54A9@dellgx280>
Message-ID: <201207012211.q61MBkRk002550@joanne.lostwells.net>

The esteemed David Stinson has said:

>

> My bench scope is a Tek. 454 (have two of them).
> The vertical amp railed and I found one of the 2N4275
> transistors open-collector.
> The specs for a 2n2222 show it more robust than the
> 4275, but it tops at 250 MHz vs. the 4275's 400 MHz,
> plus the 2222 has double the collector capacitance,
> 8 pF vs 4 pF. Still pretty small.
> So will a 2222 work for now or am I going to mung it up
> while I wait for the right transistor?
>

Without looking at the schematic (I don't have one for that scope),
I'd say "yes." Tek generally "long-tailed" amplifier circuits (big
resistance in the cathode/emitter going back to a negative voltage),
meaning that the DC current going through the device is controlled by
the resistor, not the transistor's characteristics.

The 250 Mhz ft and 8pf are two ways of saying almost the same thing.
You may get some rolloff in square-wave risetime, but do you really
"need" all of the bandpass for your daily use.

I've used generic silicons as substitutes for unobtainium special
germaniums/silicons in Tek vertical amp paraphase circuits without
any real problems. The long-tail circuits never noticed the 400-odd
millivolts for shifting to silicon for germaniums, and while I was
prepared to tweak the emitter-emitter coupling, I don't think I ever
ran into a case where that was worthwhile.

Hank

From esieb at sympatico.ca Sun Jul 1 18:40:07 2012

From: esieb at sympatico.ca (Ed Sieb)

Date: Sun, 1 Jul 2012 18:40:07 -0400

Subject: [BoatAnchors] LOL... 3885 Mil-Net Guy

In-Reply-To: <20120701220440.3FF791E587DE@minime.theporch.com>

References: <9EF6C09F7DE34D0992BFE2EC8FF80404@DaddyPC> <BLU0-
SMTP515175EA668F21BC1E900AC9EB0@phx.gbl>

<20120701220440.3FF791E587DE@minime.theporch.com>

Message-ID: <BLU0-SMTP725B9ABE61A99DEAF3851EC9EB0@phx.gbl>

I haven't opened one up yet, but it looks doable. I see several capped screw
holes, plus two uncovered screws. I'd start there. I too was curious about
the circuitry, but not so curious that I wanted to take one all apart. Lazy. I
believe they are superhets, because when I try and talk off-channel, it doesn't
hear me very well, which tells me that it's not a broad-as-a-barn-door

superregen. Unlike a typical CB walkie-talkie, they have a separate mic and speaker (ear-piece), a fixed squelch, and the TX audio actually sounds decent, and is decently modulated.

Hmmmm.... an ersatz BC611 on 10m..... Hmmmm....

w8au wrote:

Thanks for the price info, Ed. The Canadian Ebay sellers were peddling them in the \$120 area. After getting two for my grandson, one did not work and had to be sent back for another one. So of the two, one of them has a faulty squelch but still works. (Heck my real 611's don't have squelch anyway)

We occasionally see used ones appearing, but with the earlier experience, they may not work at all.

Did you find a way to open them up? There's no manual or schematic available but if they could be easily opened without breaking them, they might be salvageable.

From n7rk at cox.net Wed Jul 4 23:31:54 2012
From: n7rk at cox.net (David Hollander)
Date: Wed, 04 Jul 2012 20:31:54 -0700
Subject: [BoatAnchors] Fwd: CFT46194 Old receiver Diagram
Message-ID: <4FF50AAA.7090607@cox.net>

Received this e-mail from a gentleman in Venezuela today. I have never heard of this radio and a google search brought up nothing.

Anyone heard of this receiver and maybe have a schematic?

Tnx and 73,

Dave N7RK

From WA5CAB at cs.com Thu Jul 5 01:27:46 2012
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Thu, 5 Jul 2012 01:27:46 -0400 (EDT)
Subject: [BoatAnchors] [Boatanchors] Fwd: CFT46194 Old receiver Diagram
Message-ID: <640d5.5f13c3aa.3d267fd2@cs.com>

NT 46194 is the receiver of HFDF Set Model DAQ. Replaced circa 1944 by DAU. AFAIK, only a Preliminary Instruction Book was ever done, although it was revised once in 1942.

In a message dated 07/04/2012 22:37:36 PM Central Daylight Time,
jfor at quikus.com writes:

> Google can be very obtuse and literal.

>

> Try "CFT-46194"

>

> Robert Downs has reprints. There may be other sources.

>

> -John

>

> =====

>

>

>

> >Received this e-mail from a gentleman in Venezuela today. I have never
> >heard of this radio and a google search brought up nothing.

> >

> >Anyone heard of this receiver and maybe have a schematic?

> >

> >Tnx and 73,

> >

> >Dave N7RK

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From hbreuer at debitel.net Thu Jul 5 17:00:02 2012
From: hbreuer at debitel.net (Heinz Breuer)
Date: Thu, 05 Jul 2012 23:00:02 +0200
Subject: [BoatAnchors] Edison 501 Thermal Time Delay Relay
Message-ID: <4FF60052.8020003@debitel.net>

Hello,

I am looking for a datasheet on the Edison 501 Thermal Time Delay Relay.
This is an octal tube, pinout is similar to the more common Amperite models.
I have one on the bench with a nominal voltage of 115v and it does not
work with DC applied to the heater. AC is fine.

I do have a datasheet for the Amperite Thermal Time Delay Relay and it
specifies that either AC or DC is ok for the heater.

A typical application for these relays is a linear where the plate
voltage is applied several minutes after the heaters are switched on.

Thanks for your help.

vy 73 Heinz DH2FA, KM5VT

Von meinem iPhone gesendet

From gumbear at pacbell.net Thu Jul 5 18:07:02 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 5 Jul 2012 15:07:02 -0700
Subject: [BoatAnchors] Edison 501 Thermal Time Delay Relay
References: <4FF60052.8020003@debitel.net>
Message-ID: <003301cd5aff\$cb3152a0\$650aa8c0@KB6NAX>

>I have one on the bench with a nominal voltage of 115v and it does not work with DC applied to the heater. AC is fine.

As you know, Heinz, 120 VAC is understood to be 120 V RMS which produces the same heating in a resistive (non reactive) load as 120 V DC. Me thinks you are overlooking something.

Arden
KB6NAX

From WA5CAB at cs.com Fri Jul 6 14:35:51 2012
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Fri, 6 Jul 2012 14:35:51 -0400 (EDT)
Subject: [BoatAnchors] [Boatanchors] Fwd: CFT46194 Old receiver Diagram
Message-ID: <93f05.73acbb3f.3d288a06@cs.com>

The source document is SHIPS 275, later NAVSHIPS 900,116.

In a message dated 07/06/2012 12:30:19 PM Central Daylight Time, geoffrey at jeremy.mv.com writes:

> Made by Federal Radio &Telephone and the CFT 20169 is the PS.
>
> Part of the DAQ Direction finder
> <http://www.hnsa.org/doc/ecat/cat-0618.htm>
>
> Google was fast
>
> Carl
> KM1H

Robert & Susan Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From ddillman at igc.org Sat Jul 7 21:59:50 2012
From: ddillman at igc.org (Richard Dillman)
Date: Sat, 7 Jul 2012 18:59:50 -0700 (GMT-07:00)
Subject: [BoatAnchors] Night of Nights XIII - Commemorative Messages

Message-ID: <32988266.1341712791041.JavaMail.root@elwamui-royal.atl.sa.earthlink.net>

Night of Nights is upon us. That's the night when many famous coast stations return to the air including KPH, KFS, WLO, KLB and the station of the MRHS, KSM.

This is a public event. You're welcome to join us at the receive station at Point Reyes, California. Or you can join us over the air by copying the signal from these stations or by communicating with the MRHS amateur station K6KPH.

Information about time, place and frequencies is included below.

But first I want to let you know that once again this year we solicit your commemorative Night of Nights messages, to be broadcast via stations KPH, KFS and KSM. These are usually sent as formal radiograms. They may be addressed to anyone but in the past most have been addressed to particular radio heroes who have passed on. Some of the most moving have been addressed to fathers or grandfathers who served with distinction as military or civilian radio operators.

If you would like us to broadcast a message for you just send it to info at radiomarine.org before 5pm (Pacific time) Wednesday 11 July. We will do our best to include it in the list of commemorative messages.

By the way if you would like to receive our newly formatted and very snazzy newsletter with photos and information about MRHS operations just send your email address to info at radiomarine.org. You can opt out at any time.

All the information about Night of Nights, including the history of the event, station frequency information, the location of the KPH receive station and the time the event will begin may be found on our Web site at:

<http://tinyurl.com/8xfkn7o>

We very much hope to see you in person or on the air. Until then we wish you fair winds and following seas.

VY 73,

RD

=====
Richard Dillman, WPE2VT
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From vilgotch at bigpond.net.au Sun Jul 8 19:12:32 2012
From: vilgotch at bigpond.net.au (Morris Odell)
Date: Mon, 9 Jul 2012 09:12:32 +1000
Subject: [BoatAnchors] curious boatanchor
Message-ID: <000401cd5d5f\$2b4aa180\$81dfe480\$@bigpond.net.au>

Hi all,

I have picked up a curious little military oscilloscope type OS-37/UPM 45. This is an all vacuum tube scope that achieves double beam function by having two little single beam CRTs, one above the other. It uses 12A*7 /6AL5/6AW8 type tubes as well as a few subminiature wire-in tubes. After replacing a couple of physically leaky electrolytics there's a display of sorts, I've yet to coax the timebase into sweeping though. There's a schematic on one of its panels which is helpful, but it would be really nice to have a manual.

Anyone have any info about this odd little scope?

All costs reimbursed as usual if a manual should be available.

73, Morris

From bill at iaxs.net Mon Jul 9 00:40:25 2012
From: bill at iaxs.net (Bill Hawkins)
Date: Sun, 8 Jul 2012 23:40:25 -0500
Subject: [BoatAnchors] curious boatanchor
In-Reply-To: <000401cd5d5f\$2b4aa180\$81dfe480\$@bigpond.net.au>
References: <000401cd5d5f\$2b4aa180\$81dfe480\$@bigpond.net.au>
Message-ID: <8F3DA7A5A3024EC5A7D3A7E9E4178B45@system071>

Hi, Morris

Wow, that certainly is a rarity.

It has two tubes because it shows signals from the past, like a conventional scope, and signals into the future.

That's probably why you can't get the timebase to work.

: -)

Bill Hawkins

-----Original Message-----

From: boatanchors-bounces at theporch.com
[mailto:boatanchors-bounces at theporch.com] On Behalf Of Morris Odell
Sent: Sunday, July 08, 2012 6:13 PM
To: boatanchors at theporch.com
Subject: [BoatAnchors] curious boatanchor

Hi all,

I have picked up a curious little military oscilloscope type OS-37/UPM 45.

This is an all vacuum tube scope that achieves double beam function by having two little single beam CRTs, one above the other. It uses 12A*7 /6AL5/6AW8 type tubes as well as a few subminiature wire-in tubes. After replacing a couple of physically leaky electrolytics there's a display of sorts, I've yet to coax the timebase into sweeping though. There's a schematic on one of its panels which is helpful, but it would be really nice to have a manual.

Anyone have any info about this odd little scope?

All costs reimbursed as usual if a manual should be available.

73, Morris

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From zengmeiste at aol.com Mon Jul 9 15:58:39 2012
From: zengmeiste at aol.com (Jammer)
Date: Mon, 9 Jul 2012 15:58:39 -0400 (EDT)
Subject: [BoatAnchors] Curiouser and Curiouser Boatanchor
In-Reply-To: <mailman.1.1341853202.83050.boatanchors@theporch.com>
References: <mailman.1.1341853202.83050.boatanchors@theporch.com>
Message-ID: <8CF2C245E06F0AA-1010-55679@webmail-d008.sysops.aol.com>

Morris...

Kewl! With the right modifications and antenna...
you prolly could pick up 1950's TV. And maybe
2020's TV, too! :P

Terry KC9KEL

From: "Morris Odell" <vilgotch at bigpond.net.au>

Hi all,

I have picked up a curious little military oscilloscope ...
achieves double beam function by having two little single
beam CRTs, one above the other.

From: "Bill Hawkins" <bill at iaxs.net>

To: "'Morris Odell'" <vilgotch at bigpond.net.au>,

It has two tubes because it shows signals from the past, like a
conventional scope, and signals into the future.

That's probably why you can't get the timebase to work.

:~)

From wb3fau55 at neo.rr.com Mon Jul 9 18:12:27 2012

From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)

Date: Mon, 9 Jul 2012 18:12:27 -0400

Subject: [BoatAnchors] curious boatanchor

In-Reply-To: <8F3DA7A5A3024EC5A7D3A7E9E4178B45@system071>

Message-ID: <20120709221227.7Y5RS.3739.root@cdptpa-web09-z01>

is that anything like "back to the future?"

----- Bill Hawkins <bill at iaxs.net> wrote:

> Hi, Morris

>

> Wow, that certainly is a rarity.

>

> It has two tubes because it shows signals from the past, like a
> conventional scope, and signals into the future.

>

> That's probably why you can't get the timebase to work.

>

> :~)

> Bill Hawkins

>

>

> -----Original Message-----

> From: boatanchors-bounces at theporch.com

> [mailto:boatanchors-bounces at theporch.com] On Behalf Of Morris Odell

> Sent: Sunday, July 08, 2012 6:13 PM
> To: boatanchors at theporch.com
> Subject: [BoatAnchors] curious boatanchor
>
> Hi all,
>
> I have picked up a curious little military oscilloscope type OS-37/UPM
> 45.
> This is an all vacuum tube scope that achieves double beam function by
> having two little single beam CRTs, one above the other. It uses 12A*7
> /6AL5/6AW8 type tubes as well as a few subminiature wire-in tubes. After
> replacing a couple of physically leaky electrolytics there's a display
> of
> sorts, I've yet to coax the timebase into sweeping though. There's a
> schematic on one of its panels which is helpful, but it would be really
> nice
> to have a manual.
>
> Anyone have any info about this odd little scope?
>
> All costs reimbursed as usual if a manual should be available.
>
> 73, Morris
>
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From thompson at mindspring.com Mon Jul 9 20:16:14 2012
From: thompson at mindspring.com (David Thompson)
Date: Mon, 9 Jul 2012 20:16:14 -0400
Subject: [BoatAnchors] Simpson 260 VOM
Message-ID: <028001cd5e31\$39ce4400\$815e4d0c@yourxb2x7j77gn>

Last weekend I picked up a Simpson 260 VOM that my dad bought at an estate sale in 1984. Not having a manual or schematic I opened it up and found the D size battery in the middle was bad but the AA batteries on each side tested OK but I replaced them anyway. I see another set of AA batteries inside the back case and was able to test one and it was good,

I had good luck bringing a Heath V7A back to life so I was hopeful that the ole Simpson would work too. I plugged in the leads and put it on RX100 and put the leads together looking for a closed connection...nothing.

I have never had a Simpson before and notice the selector switch does not have the usual off position.

The leads work in the V7A so they are OK.

Before I spend money on a good manual is the simpson worth working on?

73 Dave K4JRB

From spr at earthlink.net Mon Jul 9 21:15:29 2012
From: spr at earthlink.net (spr at earthlink.net)
Date: Mon, 9 Jul 2012 18:15:29 -0700 (GMT-07:00)
Subject: [BoatAnchors] Simpson 260 VOM
Message-ID: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>

Hi David,

Personally, I don't like Simpson 260. The quality is fine, but they don't have enough voltage ranges to be as useful as I'd like. Now, the 262, with a very large meter and lots of ranges (I have one) is another story altogether. I also like the Triplet 630 series.

YMMV!

/scott

-----Original Message-----

>From: David Thompson <thompson at mindspring.com>
>Sent: Jul 9, 2012 5:16 PM
>To: Old Tube Radios <boatanchors at theporch.com>
>Subject: [BoatAnchors] Simpson 260 VOM
>

>Last weekend I picked up a Simpson 260 VOM that my dad bought at an estate sale in 1984. Not having a manual or schematic I opened it up and found the >D size battery in the middle was bad but the AA batteries on each size >tested OK but I replaced them anyway. I see another set of AA batteries

>inside the back case and was able to test one and it was good,
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>I had good luck bringing a Heath V7A back to life so I was hopeful that the
>ole Simpson would work too. I plugged in the leads and put it on RX100 and
>put the leads together looking for a closed connection...nothing.
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>I have never had a Simpson before and notice the selector switch does not
>have the usual off position.
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>The leads work in the V7A so they are OK.
>
>Before I spend money on a good manual is the simpson worth working on?
>
>73 Dave K4JRB
>
>
>
>-----
>BoatAnchors mailing list
>BoatAnchors at theporch.com
><https://minime.theporch.com/mailman/listinfo/boatanchors>

From ark at ar88.net Mon Jul 9 21:47:12 2012
From: ark at ar88.net (Al Klase)
Date: Mon, 09 Jul 2012 21:47:12 -0400
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>
References: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>
Message-ID: <4FFB89A0.7020203@ar88.net>

Dave,

I'm not 260 fan either. I use a Fluke DMM (boo hiss) for almost everything. However, these were the standard of the industry for many years, and old timers swear by them.
The manuals are on BAMA: <http://bama.edebris.com/manuals/simpson/>

Have fun,
Al

On 7/9/2012 9:15 PM, spr at earthlink.net wrote:

> Hi David,
>
> Personally, I don't like Simpson 260. The quality is fine, but they don't have enough voltage ranges to be as useful as I'd like. Now, the 262, with a very large

meter and lots of ranges (I have one) is another story altogether. I also like the Triplett 630 series.

>

> YMMV!

>

> /scott

>

>

>

>

> -----Original Message-----

>> From: David Thompson<thompson at mindspring.com>

>> Sent: Jul 9, 2012 5:16 PM

>> To: Old Tube Radios<boatanchors at theporch.com>

>> Subject: [BoatAnchors] Simpson 260 VOM

>>

>> Last weekend I picked up a Simpson 260 VOM that my dad bought at an estate
>> sale in 1984. Not having a manual or schematic I opened it up and found the
>> D size battery in the middle was bad but the AA batteries on each side
>> tested OK but I replaced them anyway. I see another set of AA batteries
>> inside the back case and was able to test one and it was good,

>>

>> I had good luck bringing a Heath V7A back to life so I was hopeful that the
>> old Simpson would work too. I plugged in the leads and put it on RX100 and
>> put the leads together looking for a closed connection...nothing.

>>

>> I have never had a Simpson before and notice the selector switch does not
>> have the usual off position.

>>

>> The leads work in the V7A so they are OK.

>>

>> Before I spend money on a good manual is the Simpson worth working on?

>>

>> 73 Dave K4JRB

>>

>>

>>

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>> BoatAnchors mailing list

>> BoatAnchors at theporch.com

>> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

> -----

> No virus found in this message.

> Checked by AVG - www.avg.com

> Version: 2012.0.2179 / Virus Database: 2437/5122 - Release Date: 07/09/12

--

Al Klase - N3FRQ
Jersey City, NJ
<http://www.skywaves.ar88.net/>

From k6kwq at msn.com Mon Jul 9 21:47:27 2012
From: k6kwq at msn.com (RICHARD GEORGE)
Date: Tue, 10 Jul 2012 01:47:27 +0000
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>
References: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>
Message-ID: <COL112-W4933FC280DAD5C62AF4514F5D20@phx.gbl>

I love the sound of a 260 when it hits the deck and the bakelite case shatters in a million pieces! I have glued a few back together in the day.

> Date: Mon, 9 Jul 2012 18:15:29 -0700
> From: spr at earthlink.net
> To: boatanchors at theporch.com
> Subject: Re: [BoatAnchors] Simpson 260 VOM
>
> Hi David,
>
> Personally, I don't like Simpson 260. The quality is fine, but they don't have enough voltage ranges to be as useful as I'd like. Now, the 262, with a very large meter and lots of ranges (I have one) is another story altogether. I also like the Triplett 630 series.
>
> YMMV!
>
> /scott
>
>
>
>
> -----Original Message-----
> >From: David Thompson <thompson at mindspring.com>
> >Sent: Jul 9, 2012 5:16 PM
> >To: Old Tube Radios <boatanchors at theporch.com>
> >Subject: [BoatAnchors] Simpson 260 VOM
> >
> >Last weekend I picked up a Simpson 260 VOM that my dad bought at an estate
> >sale in 1984. Not having a manual or schematic I opened it up abd found the

> >D size battery in the middle was bad but the AA batteries on each size
> >tested OK but I replaced them anyway. I see another set of AA batteries
> >inside the back case and was able to test one and it was good,
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> >ole Simpson would work too. I plugged in the leads and put it on RX100 and
> >put the leads together looking for a closed connection...nothing.
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> >The leads work in the V7A so they are OK.
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> >73 Dave K4JRB
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> >BoatAnchors mailing list
> >BoatAnchors at theporch.com
> ><https://minime.theporch.com/mailman/listinfo/boatanchors>
> >
> >-----
> >BoatAnchors mailing list
> >BoatAnchors at theporch.com
> ><https://minime.theporch.com/mailman/listinfo/boatanchors>

From w4rl at bellsouth.net Mon Jul 9 23:55:39 2012
From: w4rl at bellsouth.net (Robert Lawson)
Date: Mon, 09 Jul 2012 22:55:39 -0500
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <4FFB89A0.7020203@ar88.net>
References: <28878478.1341882930146.JavaMail.root@elwamui-
muscovy.atl.sa.earthlink.net>
<4FFB89A0.7020203@ar88.net>
Message-ID: <4FFBA7BB.4020205@bellsouth.net>

Yo all, I've high dollar (to me) DMM's on the bench but I still appreciate having 260 and 630 'peaks'. Like me bag of mixed partsw did about 30 years ago now on the back side of the hill. Breaks are worn out but the gas mileage is great.

Both analogue and digital have their pluses. Look at the trends with the auto and aviation instrument industries. It's a human thing I believe per optical scanning being faster with analogue. Modern panels have both as each has its advantages. But whatever floats ye boat, I

say. Both styles look at electrons going which'away or that telling you something. I agree though that Bakelite doesn't have much of a bounce factor without a case designed for such.

bst 73

Robert W4RL

On 7/9/2012 8:47 PM, Al Klase wrote:

> Dave,

>

> I'm not 260 fan either. I use a Fluke DMM (boo hiss) for almost

> everything. However, these were the standard of the industry for many

> years, and old timers swear by them.

> The manuals are on BAMA: <http://bama.edebris.com/manuals/simpson/>

>

> Have fun,

> Al

>

> On 7/9/2012 9:15 PM, spr at earthlink.net wrote:

>> Hi David,

>>

>> Personally, I don't like Simpson 260. The quality is fine, but they

>> don't have enough voltage ranges to be as useful as I'd like. Now,

>> the 262, with a very large meter and lots of ranges (I have one) is

>> another story altogether. I also like the Triplet 630 series.

>>

>> YMMV!

>>

>> /scott

>>

>>

>>

>>

>> -----Original Message-----

>>> From: David Thompson<thompson@mindspring.com>

>>> Sent: Jul 9, 2012 5:16 PM

>>> To: Old Tube Radios<boatanchors@theporch.com>

>>> Subject: [BoatAnchors] Simpson 260 VOM

>>>

>>> Last weekend I picked up a Simpson 260 VOM that my dad bought at an

>>> estate

>>> sale in 1984. Not having a manual or schematic I opened it up and

>>> found the

>>> D size battery in the middle was bad but the AA batteries on each size

>>> tested OK but I replaced them anyway. I see another set of AA

>>> batteries

```

>>> inside the back case and was able to test one and it was good,
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>>> I had good luck bringing a Heath V7A back to life so I was hopeful
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>>> ole Simpson would work too. I plugged in the leads and put it on
>>> RX100 and
>>> put the leads together looking for a closed connection...nothing.
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>>> I have never had a Simpson before and notice the selector switch
>>> does not
>>> have the usual off position.
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>>>
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>>> BoatAnchors mailing list
>>> BoatAnchors at theporch.com
>>> https://minime.theporch.com/mailman/listinfo/boatanchors
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com
>> https://minime.theporch.com/mailman/listinfo/boatanchors
>> -----
>> No virus found in this message.
>> Checked by AVG - www.avg.com
>> Version: 2012.0.2179 / Virus Database: 2437/5122 - Release Date:
>> 07/09/12
>

```

```

From vilgotch at bigpond.net.au Tue Jul 10 00:13:24 2012
From: vilgotch at bigpond.net.au (Morris Odell)
Date: Tue, 10 Jul 2012 14:13:24 +1000
Subject: [BoatAnchors] curious boatanchor
In-Reply-To: <20120709221227.7Y5RS.3739.root@cdptpa-web09-z01>
References: <8F3DA7A5A3024EC5A7D3A7E9E4178B45@system071>
          <20120709221227.7Y5RS.3739.root@cdptpa-web09-z01>
Message-ID: <000001cd5e52$5dc51a20$194f4e60$@bigpond.net.au>

```

Alas even after the timebase started up, just the same boring old scope display!

I had to junk a selenium rectifier and replace it with Si diodes. Not it's almost as good as new.

Still looking info or a manual. Anyone?

Morris

-----Original Message-----

From: wb3fau55 at neo.rr.com [mailto:wb3fau55 at neo.rr.com]
Sent: Tuesday, 10 July 2012 8:12 AM
To: 'Morris Odell'; boatanchors at theporch.com; Bill Hawkins
Subject: Re: [BoatAnchors] curious boatanchor

is that anything like "back to the future?'"

---- Bill Hawkins <bill at iaxs.net> wrote:

> Hi, Morris

>

> Wow, that certainly is a rarity.

>

> It has two tubes because it shows signals from the past, like a
> conventional scope, and signals into the future.

>

> That's probably why you can't get the timebase to work.

>

> :-)

> Bill Hawkins

>

>

> -----Original Message-----

> From: boatanchors-bounces at theporch.com

> [mailto:boatanchors-bounces at theporch.com] On Behalf Of Morris Odell

> Sent: Sunday, July 08, 2012 6:13 PM

> To: boatanchors at theporch.com

> Subject: [BoatAnchors] curious boatanchor

>

> Hi all,

>

> I have picked up a curious little military oscilloscope type OS-37/UPM
> 45.

> This is an all vacuum tube scope that achieves double beam function by
> having two little single beam CRTs, one above the other. It uses 12A*7
> /6AL5/6AW8 type tubes as well as a few subminiature wire-in tubes.

> After replacing a couple of physically leaky electrolytics there's a
> display of sorts, I've yet to coax the timebase into sweeping though.

> There's a schematic on one of its panels which is helpful, but it
> would be really nice to have a manual.

>

> Anyone have any info about this odd little scope?

>
> All costs reimbursed as usual if a manual should be available.
>
> 73, Morris
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>
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> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From knjhanlon at msn.com Tue Jul 10 01:09:47 2012
From: knjhanlon at msn.com (JAMES HANLON)
Date: Mon, 9 Jul 2012 23:09:47 -0600
Subject: [BoatAnchors] Simpson 260
Message-ID: <SNT106-W2946D25D7C8C10F3378032A0D20@phx.gbl>

Dave,

I love my Simpson 260, I've had it since about 1950 and it still works like a champ. I picked up an even older one at a hamfest recently, and it works well too. They are certainly worth restoration.

As I recall, you need to have all of the AA batteries good to make the RX100 range work. There are not two different sets of AA batteries, they are all wired in series.

I'll have to look, I may be able to find the manual for my 260 and I could copy it for you.

73,

Jim, W8KGI

From hbreuer at debitel.net Tue Jul 10 06:23:13 2012
From: hbreuer at debitel.net (Heinz Breuer)
Date: Tue, 10 Jul 2012 12:23:13 +0200
Subject: [BoatAnchors] Spy Set on German eBay?
Message-ID: <4FFC0291.7020108@debitel.net>

Could somebody please identify this transmitter on eBay. #140792199316
It has two tubes, a key and a socket for an xtal. The seller has other
related stuff in other auctions.
vy 73 Heinz DH2FA

From arc5 at ix.netcom.com Tue Jul 10 07:11:29 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 10 Jul 2012 06:11:29 -0500
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <028001cd5e31\$39ce4400\$815e4d0c@yourxb2x7j77gn>
References: <028001cd5e31\$39ce4400\$815e4d0c@yourxb2x7j77gn>
Message-ID: <5DF6EC2416AA4F10BC371156AA7F11A5@CompaqSR5710F>

Each to his own, but I love the 260, at least the early versions-
There are several.
Ever more useful in analog circuit work than digital.
The "wobble and dance" of that meter tells a lot more to me
than those blasted blinking numbers.

From jerry7proc at yahoo.com Tue Jul 10 07:34:04 2012
From: jerry7proc at yahoo.com (Jerry Proc)
Date: Tue, 10 Jul 2012 04:34:04 -0700 (PDT)
Subject: [BoatAnchors] Spy Set on German eBay?
In-Reply-To: <4FFC0291.7020108@debitel.net>
References: <4FFC0291.7020108@debitel.net>
Message-ID: <1341920044.47774.YahooMailNeo@web122601.mail.ne1.yahoo.com>

Hi Heinz,

Some feedback....

When I access the E-bay item number here from Canada, I get the error message
"This item is not available for purchase on eBay United States" and it won't
display the item. ?That will limit the amount of people that could potentially ID
the set by viewing it on e-bay.?
?

--

Regards,
Jerry Proc
E-mail: jerry7proc at yahoo.com

From: Heinz Breuer <hbreuer at debitel.net>
To: Old Tube Radios <boatanchors at theporch.com>

Sent: Tuesday, July 10, 2012 6:23:13 AM
Subject: [BoatAnchors] Spy Set on German eBay?

Could somebody please identify this transmitter on eBay. #140792199316
It has two tubes, a key and a socket for an xtal. The seller has other related stuff in other auctions.
vy 73 Heinz DH2FA

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From sparks at codepoets.com Tue Jul 10 07:58:07 2012
From: sparks at codepoets.com (Thomas Chirhart)
Date: Tue, 10 Jul 2012 07:58:07 -0400
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <5DF6EC2416AA4F10BC371156AA7F11A5@CompaqSR5710F>
References: <028001cd5e31\$39ce4400\$815e4d0c@yourxb2x7j77gn>
<5DF6EC2416AA4F10BC371156AA7F11A5@CompaqSR5710F>
Message-ID: <829D9FB0-E192-40DF-B7D6-A1DEBBA8FC2B@codepoets.com>

I have two 260's and a Fluke digital. I grab the 260 first. If someone needs to replace a shattered 260 case let me know as I have a 260 Series II or III case that a neighbor smoked.
73 Tom K4NCG

Sent from my iPhone

On Jul 10, 2012, at 7:11 AM, "David Stinson" <arc5 at ix.netcom.com> wrote:

> Each to his own, but I love the 260, at least the early versions-
> There are several.
> Ever more useful in analog circuit work than digital.
> The "wobble and dance" of that meter tells a lot more to me
> than those blasted blinking numbers.
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From hankvc at lostwells.net Tue Jul 10 09:41:54 2012
From: hankvc at lostwells.net (HankVC)
Date: Tue, 10 Jul 2012 07:41:54 -0600 (MDT)
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <028001cd5e31\$39ce4400\$815e4d0c@yourxb2x7j77gn>
Message-ID: <201207101341.q6ADfsUE003400@joanne.lostwells.net>

The esteemed David Thompson has said:

>

> Last weekend I picked up a Simpson 260 VOM that my dad bought at an estate
> sale in 1984. Not having a manual or schematic I opened it up and found the
> D size battery in the middle was bad but the AA batteries on each side
> tested OK but I replaced them anyway. I see another set of AA batteries
> inside the back case and was able to test one and it was good,

>

> I have never had a Simpson before and notice the selector switch does not
> have the usual off position.

>

>

> Before I spend money on a good manual is the Simpson worth working on?

>

Bringing a Simpson 260 back to life is worth the effort. There is a
web site devoted to these: <http://www.simpson260.com/260-8/>

It has pictures and information that will help you identify which
version you have, and has manuals, schematics, and calibration
instructions. No need to spend money for this. The "usual 'off'
position" you mention is not "usual," but was only added for later
models.

About 18 months ago I bought a brand new genuine Simpson 260-8, with a
padded case protector and the clamp-on AC ammeter accessory. They're
still being made. Reason for buying the -8 is that this version has a
25 volt scale, which makes the meter much more useful for modern
electronics and automotive work. The padded case protector is not
cheap, either in price or construction, but is a valuable addition,
considering how fragile the bakelite cases are. Simpson sold the
tooling and manufacturing rights to the Chippewa Indian tribe in
Wisconsin a while back, and they're still making the things--when not
doing pow-wows and the like. I had to wait a couple of months to get
mine.

Others have mentioned the very limited number of ranges on the 260,
which is the reason I never had one before I bought the new -8. I was
introduced to the Triplet 630-NA at Tektronix in the 1960's, where
that model was the "standard issue" meter. The 630-NA has more
ranges, and a sensitivity-doubling switch for voltage and current. No
longer made, unfortunately, and when they were, they were 2X the price
of the 260. The plain 630, which was still being made last year
(haven't checked since) is quite a bit more expensive than a new
260-8, for not all that much more capability. My 630-NA, which took a
lot of searching to find, is "like new," and I also have the Triplet
padded case protector on it.

Analog vs. digital? Personally, I've never warmed up to the digital meters, although the current crop are a lot smaller and less expensive than the 260. But an analog meter has as much information in how the needle moves, particularly when chasing intermittent problems, and for many purposes, just seeing where the needle goes on the scale rather than trying to read the exact value, gives you the information you need.

Hank

From hbreuer at debitel.net Tue Jul 10 09:40:41 2012
From: hbreuer at debitel.net (Heinz Breuer)
Date: Tue, 10 Jul 2012 15:40:41 +0200
Subject: [BoatAnchors] RS-6 was Spy Set on German eBay?
In-Reply-To: <4FFC0291.7020108@debitel.net>
References: <4FFC0291.7020108@debitel.net>
Message-ID: <4FFC30D9.2060404@debitel.net>

Thanks for your help. The set was identified as a RS-6.
What is the going price?
It runs another two days and I have to see if I can afford it.
vy 73 Heinz DH2FA, KM5VT

Am 10.07.2012 12:23, schrieb Heinz Breuer:
> Could somebody please identify this transmitter on eBay. #140792199316
> It has two tubes, a key and a socket for an xtal. The seller has other
> related stuff in other auctions.
> vy 73 Heinz DH2FA
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
>

From n7rk at cox.net Tue Jul 10 09:47:30 2012
From: n7rk at cox.net (David Hollander)
Date: Tue, 10 Jul 2012 06:47:30 -0700
Subject: [BoatAnchors] Spy Set on German eBay?
In-Reply-To: <1341920044.47774.YahooMailNeo@web122601.mail.ne1.yahoo.com>
References: <4FFC0291.7020108@debitel.net>
<1341920044.47774.YahooMailNeo@web122601.mail.ne1.yahoo.com>
Message-ID: <4FFC3272.2040003@cox.net>

Hello Heinz and Jerry - It's an early 1950's RT-6 CIA Spy Radio Transmitter

I listed one on ebay a while back but it did not sell.

Here is the description: <http://tinyurl.com/72rd394>

I was able to look at the German ebay listing even though I am in Arizona. Perhaps you need to be signed in to view the listing Jerry.

73,

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>

Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From k4oah at mindspring.com Tue Jul 10 09:52:36 2012

From: k4oah at mindspring.com (Garey Barrell)

Date: Tue, 10 Jul 2012 08:52:36 -0500

Subject: [BoatAnchors] Simpson 260

In-Reply-To: <SNT106-W2946D25D7C8C10F3378032A0D20@phx.gbl>

References: <SNT106-W2946D25D7C8C10F3378032A0D20@phx.gbl>

Message-ID: <4FFC33A4.4030209@mindspring.com>

Many of the manuals for the dozen or more variations of the '260' are on the Simpson website.

73, Garey - K40AH

Campton Hills, IL

Drake 2-B, 2C/2-NT, A, B,
C-Line, TR-4, TR-4C/CW/wRIT
WWW.K40AH.COM

JAMES HANLON wrote:

> Dave,

>

> I love my Simpson 260, I've had it since about 1950 and it still works like a champ. I picked up an even older one at a hamfest recently, and it works well too. They are certainly worth restoration.

>
> As I recall, you need to have all of the AA batteries good to make the RX100 range work. There are not two different sets of AA batteries, they are all wired in series.
>
> I'll have to look, I may be able to find the manual for my 260 and I could copy it for you.
>
> 73,
>
> Jim, W8KGI
>

From w3nu at roadrunner.com Tue Jul 10 10:09:11 2012
From: w3nu at roadrunner.com (Charles Ring)
Date: Tue, 10 Jul 2012 10:09:11 -0400
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>
References: <28878478.1341882930146.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>
Message-ID: <4FFC3787.8030008@roadrunner.com>

I prefer the Triplet 630 too but I wore one out over 28 years at a radio station. Then I got another at a hamfest but it was never right.

The 630 also requires an oddball battery.

73 de W3NU

On 7/9/2012 2115, spr at earthlink.net wrote:

> Hi David,
>
> Personally, I don't like Simpson 260. The quality is fine, but they don't have enough voltage ranges to be as useful as I'd like. Now, the 262, with a very large meter and lots of ranges (I have one) is another story altogether. I also like the Triplet 630 series.
>
> YMMV!
>
> /scott
>
>

>

From infomet at embarqmail.com Tue Jul 10 10:32:40 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Tue, 10 Jul 2012 10:32:40 -0400 (EDT)
Subject: [BoatAnchors] Spy Set on German eBay?
In-Reply-To: <4FFC3272.2040003@cox.net>
Message-ID: <978598435.351267.1341930760330.JavaMail.root@md17.embarq.synacor.com>

WOW, that was good quick info!

Is anyone besides me surprised our hi tech military would buy such a POS xmtr?
It looks a lot like something high school kids would build in a garage, except for the metalwork, of course!

What's the chance one could depend on that xtal hanging out of the front after bailing out of a B-47?

Where'd the power come from?

Was there a rcvr, or did one just send blind, hoping rescuers were monitoring?

The story seems a bit shaky. Is there other documentation? It's hard to believe that with contractors like Collins around someone would get by with this!

I have what I think is a prototype Lesco VFO that is crammed into a case in a similar way.

73,
Wilson
W4BOH

----- Original Message -----

Hello Heinz and Jerry - It's an early 1950's RT-6 CIA Spy Radio Transmitter

I listed one on ebay a while back but it did not sell.

Here is the description: <http://tinyurl.com/72rd394>

I was able to look at the German ebay listing even though I am in Arizona. Perhaps you need to be signed in to view the listing Jerry.

73,

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From w9ac at arrl.net Tue Jul 10 10:25:33 2012
From: w9ac at arrl.net (Paul Christensen)
Date: Tue, 10 Jul 2012 10:25:33 -0400
Subject: [BoatAnchors] Simpson 260
References: <SNT106-W2946D25D7C8C10F3378032A0D20@phx.gbl>
<4FFC33A4.4030209@mindspring.com>
Message-ID: <00be01cd5ea7\$de7d10a0\$1d3ca8c0@office>

> I love my Simpson 260, I've had it since about 1950 and it still works
> like a champ. I picked up an even older one at a hamfest recently, and it
> works well too. They are certainly worth restoration.

I own several Simpson VOMs including a 260, and 240 "Hammeter." The most problematic issue seen is where they will not "zero" on Rx1 due to poor switch and probe insertion contact, even with new batteries. This seems to be less of an issue when they are used often. After sitting on the shelf for a couple years of non-use, my 260 was really erratic. But after applying DeOxit to the range and mode switches -- and to the probe sockets, Rx1 zero is fine once again.

I'm also forcing myself to replace batteries at least once a year to avoid acid leakage distasters. I thought Duracell was a safe bet until last week when I opened up the battery compartment of a Panasonic SW receiver and was horrified to see the mess. Thankfully, the spring contacts were saved...

Paul, W9AC

From W0EOM at aol.com Tue Jul 10 11:48:47 2012
From: W0EOM at aol.com (W0EOM at aol.com)
Date: Tue, 10 Jul 2012 11:48:47 -0400 (EDT)
Subject: [BoatAnchors] Spy Set on German eBay?
Message-ID: <3c1.22b3394.3d2da8de@aol.com>

In a message dated 7/10/2012 6:48:22 AM Pacific Daylight Time, n7rk at cox.net writes:

<http://tinyurl.com/72rd394>

Did not the set come as 4 pieces? Rx, Tx, ps, and ? I have had several over the years.

Will

From n7rk at cox.net Tue Jul 10 11:57:00 2012
From: n7rk at cox.net (David Hollander)
Date: Tue, 10 Jul 2012 08:57:00 -0700
Subject: [BoatAnchors] Spy Set on German eBay?
In-Reply-To: <3c1.22b3394.3d2da8de@aol.com>
References: <3c1.22b3394.3d2da8de@aol.com>
Message-ID: <4FFC50CC.4060101@cox.net>

You are correct Will. I saw a complete set on ebay several months back.

Dave

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From ark at ar88.net Tue Jul 10 11:56:18 2012
From: ark at ar88.net (Al Klase)
Date: Tue, 10 Jul 2012 11:56:18 -0400
Subject: [BoatAnchors] Spy Set on German eBay?
In-Reply-To: <1341920044.47774.YahooMailNeo@web122601.mail.ne1.yahoo.com>
References: <4FFC0291.7020108@debitel.net>
<1341920044.47774.YahooMailNeo@web122601.mail.ne1.yahoo.com>
Message-ID: <4FFC50A2.80205@ar88.net>

Jerry,

Two lines down, in small print, there's a link: "*View the original listing
<<http://cgi.ebay.de/ws/eBayISAPI.dll?ViewItemnext&item=140792199316.html>>on eBay and buy this item on eBay Germany"

Anyway, the item in question is the RT-6 transmitter, part of the CIA RS-6.

Al

*

On 7/10/2012 7:34 AM, Jerry Proc wrote:

> Hi Heinz,

>

> Some feedback....

>

> When I access the E-bay item number here from Canada, I get the error message "This item is not available for purchase on eBay United States" and it won't display the item. That will limit the amount of people that could potentially ID the set by viewing it on e-bay.

>

> --

> Regards,

> Jerry Proc

> E-mail: jerry7proc at yahoo.com

>

>

> -----

> From: Heinz Breuer<hbreuer at debitel.net>

> To: Old Tube Radios<boatanchors at theporch.com>

> Sent: Tuesday, July 10, 2012 6:23:13 AM

> Subject: [BoatAnchors] Spy Set on German eBay?

>

> Could somebody please identify this transmitter on eBay. #140792199316

> It has two tubes, a key and a socket for an xtal. The seller has other related stuff in other auctions.

> vy 73 Heinz DH2FA

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

> -----

> No virus found in this message.

> Checked by AVG - www.avg.com

> Version: 2012.0.2179 / Virus Database: 2437/5122 - Release Date: 07/09/12

>

--

Al Klase - N3FRQ

Jersey City, NJ

<http://www.skywaves.ar88.net/>

From bill at iaxs.net Tue Jul 10 12:47:59 2012
From: bill at iaxs.net (Bill Hawkins)
Date: Tue, 10 Jul 2012 11:47:59 -0500
Subject: [BoatAnchors] curious boatanchor
In-Reply-To: <000401cd5d5f\$2b4aa180\$81dfe480\$@bigpond.net.au>
References: <000401cd5d5f\$2b4aa180\$81dfe480\$@bigpond.net.au>
Message-ID: <9A0A04B1F7C74F0191EB2CD7FD43F179@cyrus>

Morris,

Googling for "military oscilloscope type OS-37/UPM 45" gets a lot of trash, as you probably know. There is one hit:

Yakaz : E type for sale usa
for-sale.yakaz.com.au/miscellaneous_e-type-for-sale-usa_.kml
File Format: KML Document - View on Google Maps
For sale - Ex us Military Valve Oscilloscope - Dual Tube - Auction ...
...is for a dual tube Oscilloscope, model os-37/upm 45 made by
Waterman Products usa for ...

When I view the KML file on Google Maps, I get a map of Australia and a list of garage-sale stuff around the country. No mention of the Waterman scope that would fill in the ellipses. No list of e-type for sale usa.

List members, has anyone else seen this listing?

Bill Hawkins

-----Original Message-----

From: Morris Odell
Sent: Sunday, July 08, 2012 6:13 PM

Hi all,

I have picked up a curious little military oscilloscope type OS-37/UPM 45. This is an all vacuum tube scope that achieves double beam function by having two little single beam CRTs, one above the other. It uses 12A*7 /6AL5/6AW8 type tubes as well as a few subminiature wire-in tubes. After replacing a couple of physically leaky electrolytics there's a display of sorts, I've yet to coax the timebase into sweeping though. There's a schematic on one of its panels which is helpful, but it would be really nice to have a manual.

Anyone have any info about this odd little scope?

All costs reimbursed as usual if a manual should be available.

73, Morris

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From W0E0M at aol.com Tue Jul 10 15:50:59 2012
From: W0E0M at aol.com (W0E0M at aol.com)
Date: Tue, 10 Jul 2012 15:50:59 -0400 (EDT)
Subject: [BoatAnchors] Spy Set on German eBay?
Message-ID: <363ad.503ba9f8.3d2de1a2@aol.com>

Wilson - you are not considering the mission requirements. For a bailout kit, it had to be light weight, and low cost, as it might be used only once and thrown away. It had to work from what ever power was available. i am not sure if batteries were carried separately.

The crystal would have been installed later, and might have been selected for what part of the world they might be. There was a receiver, antenna wire, etc.

Special Forces fouond it useful, until they got a set that could be buried in the jungle and recovered later.
The WW 2 spy sets are mored varied, and more interesting, but rare.

Will

From gumbear at pacbell.net Tue Jul 10 16:38:13 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 10 Jul 2012 13:38:13 -0700
Subject: [BoatAnchors] Simpson 260
References: <SNT106-W2946D25D7C8C10F3378032A0D20@phx.gbl>
Message-ID: <004d01cd5edb\$f5cf1350\$650aa8c0@KB6NAX>

>I'll have to look, I may be able to find the manual for my 260 and I could copy it for you. ...

BAMA has a collection of 260 manuals:
<http://bama.edebris.com/manuals/simpson/>

I'll add my 0.02 cents worth: I wouldn't own a 260 for several reasons: 1) The breakable case, 2) the limited ranges, 3) the semiconductor destruction

hazard, 4) the low and varying by range load resistance compared to the high and constant load resistance of a VTVM, 5) the limited information needle wiggle gives compared to what an oscilloscope will reveal, 6) the necessity to feed it a steady diet of batteries, 7) the non-banana input jacks, and 8) the ease at which it will fall off a shelf and crash land on your work, or worse.

Some day in the distant future an anthropological dig will unearth a vast collection of 260 remains, no doubt the cumulus of a VOM hoarder. Such a discovery would no doubt be proclaimed as authentic evidence of the development of human tool making...

Arden Allen
KB6NAX

If you pick up a starving dog and make him prosperous, he will not bite you. This is the principle difference between a dog and a man. -Mark Twain

From johnmb at nc.rr.com Tue Jul 10 14:56:45 2012
From: johnmb at nc.rr.com (john)
Date: Tue, 10 Jul 2012 14:56:45 -0400
Subject: [BoatAnchors] Spy Set on German eBay?
In-Reply-To: <3c1.22b3394.3d2da8de@aol.com>
Message-ID: <20120710185646.LKLKW.22827.root@hrndva-web10-z02>

Yes, I still have a complete set in their waterproof (!) packaging. I think it's only 3 pieces though, with a small forest of interconnect.

Mine works fine :-)

John K5MO

----- W0EOM at aol.com wrote:

>

> In a message dated 7/10/2012 6:48:22 AM Pacific Daylight Time, n7rk at cox.net
> writes:

>

> <http://tinyurl.com/72rd394>

>

> Did not the set come as 4 pieces? Rx, Tx, ps, and ? I have had several
> over the years.

>

> Will
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Tue Jul 10 17:27:52 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 10 Jul 2012 14:27:52 -0700
Subject: [BoatAnchors] Free to new home, but what is it?
Message-ID: <000901cd5ee2\$e940f2a0\$650aa8c0@KB6NAX>

It's some kind of motorized scanning receiver. It has a six position band switch that covers 0.55-42 MHz. The bandswitch knob has the Hallicrafters logo. Tuning is by manual or motor with a presetting mechanism for the scan width. Looks to me like an adaptation of a "normal" receiver for ECM use. Full of metal octal tubes, no doubt WW2 vintage. Front panel UHF connectors, VID., PAN., and ANT. S meter and cannon power connector. But no identifying tag. E-mail me for a pic and then take it away if you can get to my place in the SF bay area. If you gotta have it I'll ship at your cost.

Arden Allen
KB6NAX

From gumbear at pacbell.net Tue Jul 10 17:33:07 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 10 Jul 2012 14:33:07 -0700
Subject: [BoatAnchors] SP-600 cabinet for sale
Message-ID: <000f01cd5ee3\$9c999370\$650aa8c0@KB6NAX>

A not very pretty rare find, so to speak. It's an original Hallicrafters cabinet for the SP-600 receiver. But it suffers from having been tweaked by heavy objects place on it and some rust along the bottom. It can be straightened and with a new paint job be a hutch for one of the many SP-600's that came naked. E-mail me for photos. A reasonable offer will take it.

Arden Allen
KB6NAX

From gumbear at pacbell.net Tue Jul 10 17:45:10 2012

From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 10 Jul 2012 14:45:10 -0700
Subject: [BoatAnchors] SP-600 cabinet for sale
References: <000f01cd5ee3\$9c999370\$650aa8c0@KB6NAX>
<4FFCA0C9.5020600@ec.rr.com>
Message-ID: <003401cd5ee5\$4c3ed3c0\$650aa8c0@KB6NAX>

I miswrote. It's a Hamarlund cabinet, not a Hallicrafters.

Arden

From k4pf at juno.com Tue Jul 10 17:56:28 2012
From: k4pf at juno.com (k4pf at juno.com)
Date: Tue, 10 Jul 2012 21:56:28 GMT
Subject: [BoatAnchors] Analog VOM for Transistor or automotive work (was Re: Simpson 260)
Message-ID: <20120710.175628.21960.1@webmail08.vgs.unttd.com>

> HankVC <hankvc at lostwells.net> wrote <snip>
>About 18 months ago I bought a brand new genuine Simpson 260-8, with a padded case protector and the clamp-on AC ammeter accessory. They're still being made. Reason for buying the -8 is that this version has a 25 volt scale, which makes the meter much more useful for modern electronics and automotive work. <snip>

Hi,

Those wanting an old-school VOM with voltage ranges suitable for transistor work may want to keep an eye out for the IBM 9900167, a VOM which apparently was once featured in IBM's attache case tool kits. The VOM is a special version of the Triplet 310C Minimite, with the following DC voltage scales: 60, 30, 12, 6, 3, 0.6 VDC. Ohms ranges are X1, X10, X100 and X1K, with 25 Ohms center scale. DCMA scales are .6, 6, 60 and 600 mA. AC Volts scales are 3, 12, 60, and 300VAC

I stumbled on mine, while looking at the "other" stuff for sale by an eBay seller who had something I needed.

73,
Ed Knobloch

From gumbear at pacbell.net Tue Jul 10 18:03:18 2012
From: gumbear at pacbell.net (Arden Allen)

Date: Tue, 10 Jul 2012 15:03:18 -0700

Subject: [BoatAnchors] Free to new home, but what is it? - ID'ed

References: <000901cd5ee2\$e940f2a0\$650aa8c0@KB6NAX>

Message-ID: <007a01cd5ee7\$d56ed800\$650aa8c0@KB6NAX>

Roger Singley nailed it. See <http://www.radiomilitari.com/arr7.html>

Arden

> It's some kind of motorized scanning receiver. It has a six position band switch that covers 0.55-42 MHz. The bandswitch knob has the Halicafters logo. Tuning is by manual or motor with a presetting mechanism for the scan width. Looks to me like an adaptation of a "normal" receiver for ECM use. Full of metal octal tubes, no doubt WW2 vintage. Front panel UHF connectors, VID., PAN., and ANT. S meter and cannon power connector. But no identifying tag. E-mail me for a pic and then take it away if you can get to my place in the SF bay area. If you gotta have it I'll ship at your cost.

Arden Allen

KB6NAX

From thompson at mindspring.com Tue Jul 10 18:11:48 2012

From: thompson at mindspring.com (David Thompson)

Date: Tue, 10 Jul 2012 18:11:48 -0400

Subject: [BoatAnchors] Simpson 260

References: <SNT106-W2946D25D7C8C10F3378032A0D20@phx.gbl>

<004d01cd5edb\$f5cf1350\$650aa8c0@KB6NAX>

Message-ID: <00c501cd5ee9\$00d76740\$c75d4d0c@yourxb2x7j77gn>

Before anyone sends me a copy of the manual I need to find out what version I have.

Above the D battery is the number 1857. On the back of the meter is monel and on the side behind the metal sacer is 66.

Below the -10A the switch says output, AC, and DC.

Thanks to a member I have a web page to look at that might give me the model or version number.

Thanks for all the assistance so far. I have to get back to xyl chores but will try to ID the 260 by Thursday. Got thunder in the distance so signing off.

73 Dave K4JRB

From kd5byb at kd5byb.net Tue Jul 10 21:01:11 2012
From: kd5byb at kd5byb.net (Ben Hall)
Date: Tue, 10 Jul 2012 20:01:11 -0500
Subject: [BoatAnchors] A tale of despair and repair.
Message-ID: <4FFCD057.2060900@kd5byb.net>

Evening all,

This is sort of strange tale. But, it might interest some. In addition to Boatanchors, I also collect/restore/operate antique engines. (Phil - still have that Maytag Twin! It's is our six year old son's favorite engine and runs great. Brian - still have the 5S and while not one of Robby's favorites, its one of mine. It runs great too.)

Some of these engines (neither of the above) use model T Ford spark coils as the source of ignition. About a month ago, I was testing a pair of Model T coils prior to replacing the internal condenser, a common point of failure. (sound familiar? ha ha)

I had them on my bench, powered off of my solid-state power supply, in close proximity to my HP 5381A frequency counter which is early IC-based solid-state.

Eventually my bench power supply started operating erratically and then quit. The LCD displays on the left side were acting completely goofy and random. What I didn't know until last week was that I had also managed to mess up the counter. This immediately held up several projects - one a Softrock LF receiver kit, the other continued repair of my RBA.

I guess knew these things were throwing a lot of RFI/EMI, guess I did know exactly *how much*. Lesson learned. From now on, these will be powered from a 12 volt gel cell and the not-in-use sensitive equipment powered off...

Being that I needed the counter, I tore into it first. Thankfully, HP's manual is good, shows waveforms, and has convenient test points. I determined that the input FET was toast, the protection diodes fried, and the main gate IC fried. Fortunately, the main gate was not a custom IC, but a common 74LS00 logic IC. Not so lucky on the input FET as while it was a common 2Nxxxx type, it was out of production, but I found one close enough in my stock.

This evening I replaced the IC, the protection diodes, and the input FET

and was rewarded with a working counter yet again. The URM-25D proved that out, but I know see that the 25D is acting erratic - the output knob increases carrier output to point, with continued rotation causing a decrease in output. :(Guess its next up on the repair list. (I did rebuild it years ago with Dallas Lanford's notes, so pretty sure its going to be a bad tube or something simple like that)

Unfortunately, the Thurlby-Thandar power supply won't be so easy to fix.

Can't find a schematic or a repair manual. Kind of sad - I think I paid \$25 for the counter (and just spent \$6 to fix it) and I think I spent about \$40 on the Thandar (had to convert it from 220 wiring to 110) and I'm sure it needs more than that to fix it...

thanks much and 73,
ben, kd5byb

From gumbear at pacbell.net Wed Jul 11 02:14:00 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 10 Jul 2012 23:14:00 -0700
Subject: [BoatAnchors] A tale of despair and repair.
References: <4FFCD057.2060900@kd5byb.net>
Message-ID: <003201cd5f2d\$4da57af0\$650aa8c0@KB6NAX>

So sorry, Ben,

You unwittingly repeated an experiment done by Hertz that demonstrated the existence of radio waves. A loop of wire is made to complete a circuit via an arc and a nearby receiving loop produces an arc across a gap in the loop. If you fired up the spark coil with the lights off you may observe a few sympathetic arcs here and there about your equipment - you could call that proof of hurting waves...

Arden

Evening all,

This is sort of strange tale. But, it might interest some. In addition to Boatanchors, I also collect/restore/operate antique engines. (Phil - still have that Maytag Twin! It's is our six year old son's favorite engine and runs great. Brian - still have the 5S and while not one of Robby's favorites, its one of mine. It runs great too.)

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I guess knew these things were throwing a lot of RFI/EMI, guess I did know exactly *how much*. Lesson learned. From now on, these will be powered from a 12 volt gel cell and the not-in-use sensitive equipment powered off...

Being that I needed the counter, I tore into it first. Thankfully, HP's manual is good, shows waveforms, and has convenient test points. I determined that the input FET was toast, the protection diodes fried, and the main gate IC fried. Fortunately, the main gate was not a custom IC, but a common 74LS00 logic IC. Not so lucky on the input FET as while it was a common 2Nxxxx type, it was out of production, but I found one close enough in my stock.

This evening I replaced the IC, the protection diodes, and the input FET and was rewarded with a working counter yet again. The URM-25D proved that out, but I know see that the 25D is acting erratic - the output knob increases carrier output to point, with continued rotation causing a decrease in output. :(Guess its next up on the repair list. (I did rebuild it years ago with Dallas Lanford's notes, so pretty sure its going to be a bad tube or something simple like that)

Unfortunately, the Thurlby-Thandar power supply won't be so easy to fix.

Can't find a schematic or a repair manual. Kind of sad - I think I paid \$25 for the counter (and just spent \$6 to fix it) and I think I spent about \$40 on the Thandar (had to convert it from 220 wiring to 110) and I'm sure it needs more than that to fix it...

thanks much and 73,
ben, kd5byb

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From arc5 at ix.netcom.com Wed Jul 11 05:09:01 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 11 Jul 2012 04:09:01 -0500
Subject: [BoatAnchors] A tale of despair and repair.
In-Reply-To: <4FFCD057.2060900@kd5byb.net>
References: <4FFCD057.2060900@kd5byb.net>
Message-ID: <1FD4F90E954E47BE8189F9E26EB1823C@CompaqSR5710F>

----- Original Message -----

From: "Ben Hall" <kd5byb at kd5byb.net>

> I guess knew these things were throwing a lot of RFI/EMI, guess I did
> know exactly *how much*. Lesson learned. From now on, these will be
> powered from a 12 volt gel cell and the not-in-use sensitive equipment
> powered off...

Don't just power them off; pull the test leads out as well.

From vilgotch at bigpond.net.au Wed Jul 11 06:49:23 2012
From: vilgotch at bigpond.net.au (Morris Odell)
Date: Wed, 11 Jul 2012 20:49:23 +1000
Subject: [BoatAnchors] curious boatanchor
In-Reply-To: <9A0A04B1F7C74F0191EB2CD7FD43F179@cyrus>
References: <000401cd5d5f\$2b4aa180\$81dfe480\$@bigpond.net.au>
<9A0A04B1F7C74F0191EB2CD7FD43F179@cyrus>
Message-ID: <002101cd5f52\$d5d3ffd0\$817bff70\$@bigpond.net.au>

Hi Bill,

Yes, I've tried Google and all the usual sites but no luck. The scope has a 115V 50-400 Hz power requirement and a US style 3 pin plug. Fortunately I have a suitable transformer with a US style socket. It has a US Bureau of Ships nameplate and an Aussie Navy cal sticker with an indecipherable date. It was obviously meant to service US equipment bought by our Navy.

I was going to use it as the basis for a UTC/Local dual display scope clock but it seems like such a rare item maybe I should keep it.

73, Morris

-----Original Message-----

From: Bill Hawkins [mailto:bill at iaxs.net]
Sent: Wednesday, 11 July 2012 2:48 AM
To: 'Morris Odell'; boatanchors at theporch.com
Subject: RE: [BoatAnchors] curious boatanchor

Morris,

Googling for "military oscilloscope type OS-37/UPM 45" gets a lot of trash, as you probably know. There is one hit:

Yakaz : E type for sale usa
for-sale.yakaz.com.au/miscellaneous_e-type-for-sale-usa_.kml
File Format: KML Document - View on Google Maps For sale - Ex us Military
Valve Oscilloscope - Dual Tube - Auction ...
...is for a dual tube Oscilloscope, model os-37/upm 45 made by Waterman
Products usa for ...

When I view the KML file on Google Maps, I get a map of Australia and a list of garage-sale stuff around the country. No mention of the Waterman scope that would fill in the ellipses. No list of e-type for sale usa.

List members, has anyone else seen this listing?

Bill Hawkins

-----Original Message-----

From: Morris Odell

Sent: Sunday, July 08, 2012 6:13 PM

Hi all,

I have picked up a curious little military oscilloscope type OS-37/UPM 45. This is an all vacuum tube scope that achieves double beam function by having two little single beam CRTs, one above the other. It uses 12A*7 /6AL5/6AW8 type tubes as well as a few subminiature wire-in tubes. After replacing a couple of physically leaky electrolytics there's a display of sorts, I've yet to coax the timebase into sweeping though. There's a schematic on one of its panels which is helpful, but it would be really nice to have a manual.

Anyone have any info about this odd little scope?

All costs reimbursed as usual if a manual should be available.

73, Morris

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.2195 / Virus Database: 2437/5123 - Release Date: 07/10/12

From gumbear at pacbell.net Wed Jul 11 12:20:03 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Wed, 11 Jul 2012 09:20:03 -0700

Subject: [BoatAnchors] A tale of despair and repair.

References: <4FFCD057.2060900@kd5byb.net>

<1FD4F90E954E47BE8189F9E26EB1823C@CompaqSR5710F>

Message-ID: <003d01cd5f82\$1fe040f0\$650aa8c0@KB6NAX>

Best practice for high voltage sparky stuff is AWAY from equipment not required for testing. Out in the garage or garden shed, in other words.

Arden Allen

KB6NAX

> I guess knew these things were throwing a lot of RFI/EMI, guess I did
> know exactly *how much*. Lesson learned. From now on, these will be
> powered from a 12 volt gel cell and the not-in-use sensitive equipment
> powered off...

Don't just power them off; pull the test leads out as well.

From spr at earthlink.net Wed Jul 11 20:11:13 2012

From: spr at earthlink.net (spr at earthlink.net)

Date: Wed, 11 Jul 2012 17:11:13 -0700 (GMT-07:00)

Subject: [BoatAnchors] curious boatanchor

Message-ID: <6548817.1342051874354.JavaMail.root@elwamui-rubis.atl.sa.earthlink.net>

Hi Morris,

Sure sounds like a Waterman Pocket Scope to me, I think model S15A is just what you have, only a military version. Manual with schematic is at

<<http://bama.edebris.com/manuals/waterman/s15a>>

It's even DC coupled...

/scott

-----Original Message-----

>From: Morris Odell <vilgotch at bigpond.net.au>

>Sent: Jul 11, 2012 3:49 AM

>To: 'Bill Hawkins' <bill at iaxs.net>, boatanchors at theporch.com

>Subject: Re: [BoatAnchors] curious boatanchor

>

>Hi Bill,

>

>Yes, I've tried Google and all the usual sites but no luck. The scope has a

>115V 50-400 Hz power requirement and a US style 3 pin plug. Fortunately I

>have a suitable transformer with a US style socket. It has a US Bureau of

>Ships nameplate and an Aussie Navy cal sticker with an indecipherable date.

>It was obviously meant to service US equipment bought by our Navy.

>

>I was going to use it as the basis for a UTC/Local dual display scope clock

>but it seems like such a rare item maybe I should keep it.

>

>73, Morris

>

>-----Original Message-----

>From: Bill Hawkins [mailto:bill at iaxs.net]

>Sent: Wednesday, 11 July 2012 2:48 AM

>To: 'Morris Odell'; boatanchors at theporch.com

>Subject: RE: [BoatAnchors] curious boatanchor

>

>Morris,

>

>Googling for "military oscilloscope type OS-37/UPM 45" gets a lot of trash,

>as you probably know. There is one hit:

>

>Yakaz : E type for sale usa

>for-sale.yakaz.com.au/miscellaneous_e-type-for-sale-usa_.kml

>File Format: KML Document - View on Google Maps For sale - Ex us Military

>Valve Oscilloscope - Dual Tube - Auction ...

>...is for a dual tube Oscilloscope, model os-37/upm 45 made by Waterman

>Products usa for ...

>

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>of garage-sale stuff around the country. No mention of the Waterman scope

>that would fill in the ellipses. No list of e-type for sale usa.

>

>List members, has anyone else seen this listing?

>

>Bill Hawkins
>
>
>-----Original Message-----
>From: Morris Odell
>Sent: Sunday, July 08, 2012 6:13 PM
>
>Hi all,
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>I have picked up a curious little military oscilloscope type OS-37/UPM 45.
>This is an all vacuum tube scope that achieves double beam function by
>having two little single beam CRTs, one above the other. It uses 12A*7
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>replacing a couple of physically leaky electrolytics there's a display of
>sorts, I've yet to coax the timebase into sweeping though. There's a
>schematic on one of its panels which is helpful, but it would be really nice
>to have a manual.
>
>Anyone have any info about this odd little scope?
>
>All costs reimbursed as usual if a manual should be available.
>
>73, Morris

From vilgotch at bigpond.net.au Wed Jul 11 20:53:22 2012
From: vilgotch at bigpond.net.au (Morris Odell)
Date: Thu, 12 Jul 2012 10:53:22 +1000
Subject: [BoatAnchors] curious boatanchor
In-Reply-To: <6548817.1342051874354.JavaMail.root@elwamui-rubis.atl.sa.earthlink.net>
References: <6548817.1342051874354.JavaMail.root@elwamui-rubis.atl.sa.earthlink.net>
Message-ID: <000001cd5fc8\$c0778a50\$41669ef0\$@bigpond.net.au>

Thanks Scott,

That's a terrific link! It's certainly very similar but regrettably not exactly the same. Mine is AC coupled and uses quite different tubes but there are certainly enough similarities to help with understanding it. The physical appearance is almost identical.

All the best,

Morris

-----Original Message-----

From: spr at earthlink.net [mailto:spr at earthlink.net]

Sent: Thursday, 12 July 2012 10:11 AM

To: Morris Odell; boatanchors at theporch.com

Subject: Re: [BoatAnchors] curious boatanchor

Hi Morris,

Sure sounds like a Waterman Pocket Scope to me, I think model S15A is just what you have, only a military version. Manual with schematic is at

<<http://bama.edebris.com/manuals/waterman/s15a>>

It's even DC coupled...

/scott

-----Original Message-----

>From: Morris Odell <vilgotch at bigpond.net.au>

>Sent: Jul 11, 2012 3:49 AM

>To: 'Bill Hawkins' <bill at iaxs.net>, boatanchors at theporch.com

>Subject: Re: [BoatAnchors] curious boatanchor

>

>Hi Bill,

>

>Yes, I've tried Google and all the usual sites but no luck. The scope

>has a 115V 50-400 Hz power requirement and a US style 3 pin plug.

>Fortunately I have a suitable transformer with a US style socket. It

>has a US Bureau of Ships nameplate and an Aussie Navy cal sticker with an indecipherable date.

>It was obviously meant to service US equipment bought by our Navy.

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>I was going to use it as the basis for a UTC/Local dual display scope

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>73, Morris

>

>-----Original Message-----

>From: Bill Hawkins [mailto:bill at iaxs.net]

>Sent: Wednesday, 11 July 2012 2:48 AM

>To: 'Morris Odell'; boatanchors at theporch.com

>Subject: RE: [BoatAnchors] curious boatanchor

>

>Morris,

>

>Googling for "military oscilloscope type OS-37/UPM 45" gets a lot of

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>
>Yakaz : E type for sale usa
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>File Format: KML Document - View on Google Maps For sale - Ex us
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>...is for a dual tube Oscilloscope, model os-37/upm 45 made by Waterman
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>There's a schematic on one of its panels which is helpful, but it would
>be really nice to have a manual.
>
>Anyone have any info about this odd little scope?
>
>All costs reimbursed as usual if a manual should be available.
>
>73, Morris

From hankvc at lostwells.net Thu Jul 12 10:57:25 2012
From: hankvc at lostwells.net (HankVC)
Date: Thu, 12 Jul 2012 08:57:25 -0600 (MDT)
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <007d01cd5fbf\$e007eb20\$505e4d0c@yourxb2x7j77gn>
Message-ID: <201207121457.q6CEvP4E004397@joanne.lostwells.net>

The esteemed David Thompson has said:

>
> Hank,
>
> This web site has no directory so I cannot browse thru. Do you have another
> entry point.
> 73 Dave K4JRB
> >
> > Bringing a Simpson 260 back to life is worth the effort. There is a
> > web site devoted to these: <http://www.simpson260.com/260-8/>
> >
> > It has pictures and information that will help you identify which
> > version you have, and has manuals, schematics, and calibration
> > instructions. No need to spend money for this.
>
Hi Dave:

No sweat. The main link is <http://www.simpson260.com/>
I see that the link I gave was to the -8. Link to the schematics (all pdf) is at the bottom of the main page.

>From what you've said, I'll guess you have a 260-2. So far as I can see the main ident features are:

1. "output" is selected by the knob on the left. Later versions have DC+, DC-, AC on the knob, and a separate jack for the "output" blocking cap.
2. Pin jacks. Later versions are banana jacks.
3. No "type" ident and Simpson logo on the meter. Later versions have the logo and "Type #" on the bottom center of the meter just above the movement.
4. AC sensitivity marked on the meter is 1000 ohms/volt. Later versions are 5000 ohms/volt on AC. All are 20000 on DC.
5. Point-to-point wiring. PC board used starting with type 3.
6. Fixed calibration (no cal pots).

I think the type 2's were "early postwar" to late 1950's.

There are enough pictures for the various versions on that site that you should be able to make a positive identification in minutes.

I'm cross-posting this back to the mail list for others to see.

A couple of tips on trouble-shooting:

1. If you need to test the meter movement alone, DO NOT use an ohmmeter across the terminals. The meter movement is 50 microamps full scale, 100 mv across the terminals, 2000 ohms resistance. Use a series resistance and 1.5 volt battery to limit the current. Note that most ohmmeters put 1.5 volts and 250 ma. across a dead short on

the RX1 scale. The internal series resistor for the 2.5 volt scale is a good value to use.

2. If you need to replace an odd-value precision resistor, you can make one by picking a somewhat larger value and shunting it with a high value. That is standard practise in calibrating precision instruments. Remember $R_{eff} = R1R2/(R1+R2)$. Best done with an R1 that is near the target value and an R2 that is much larger.

In short, Kirchoff's voltage/current laws, Thevenin, and Norton, are your friends.

I'd also suggest adding back-to-back diodes across the meter movement and a fuse---see later model schematics for placement of these, as they were incorporated in later types.

Hank

From ddillman at igc.org Thu Jul 12 11:40:17 2012
From: ddillman at igc.org (Richard Dillman)
Date: Thu, 12 Jul 2012 08:40:17 -0700 (GMT-07:00)
Subject: [BoatAnchors] KFS 17Mc Unavailable
Message-ID: <25876324.1342107617515.JavaMail.root@mswamui-bichon.atl.sa.earthlink.net>

The Transmitter Department has advised that KFS 17026.0kc may be unavailable for Night of Nights XIII due to an antenna problem. All other KPH, KFS and KSM frequencies are reported operational.

For complete Night of Nights information see our Web site at:

http://radiomarine.org/gallery/show?keyword=nonxi&panel=pab1_5#pab1_5

RD

=====
Richard Dillman, WPE2VT
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From smithab11 at comcast.net Thu Jul 12 11:35:35 2012
From: smithab11 at comcast.net (B Smith)

Date: Thu, 12 Jul 2012 11:35:35 -0400
Subject: [BoatAnchors] Simpson 260 VOM
In-Reply-To: <201207121457.q6CEvP4E004397@joanne.lostwells.net>
References: <201207121457.q6CEvP4E004397@joanne.lostwells.net>
Message-ID: <F423B605FE664DDF98ABC9283C108D56@De11560>

[http://www.simpson260.com/260-8/just type in /index.html](http://www.simpson260.com/260-8/just%20type%20in/index.html)

From: "HankVC" <hankvc at lostwells.net>
Sent: Thursday, July 12, 2012 10:57 AM
To: <thompson at mindspring.com>
Cc: <boatanchors at theporch.com>
Subject: Re: [BoatAnchors] Simpson 260 VOM

The esteemed David Thompson has said:

>
> Hank,
>
> This web site has no directory so I cannot browse thru. Do you have
> another
> entry point.
> 73 Dave K4JRB
> >
> > Bringing a Simpson 260 back to life is worth the effort. There is
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> > web site devoted to these: <http://www.simpson260.com/260-8/>
> >
> > It has pictures and information that will help you identify which
> > version you have, and has manuals, schematics, and calibration
> > instructions. No need to spend money for this.

>

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2. If you need to replace an odd-value precision resistor, you can make one by picking a somewhat larger value and shunting it with a high value. That is standard practise in calibrating precision instruments. Remember $R_{eff} = R1R2/(R1+R2)$. Best done with an R1 that is near the target value and an R2 that is much larger.

In short, Kirchoff's voltage/current laws, Thevenin, and Norton, are your friends.

I'd also suggest adding back-to-back diodes across the meter movement and a fuse---see later model schematics for placement of these, as they were incorporated in later types.

Hank

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From thompson at mindspring.com Thu Jul 12 23:38:30 2012
From: thompson at mindspring.com (David Thompson)
Date: Thu, 12 Jul 2012 23:38:30 -0400
Subject: [BoatAnchors] Simpson 260 VOM
References: <201207121457.q6CEvP4E004397@joanne.lostwells.net>
<F423B605FE664DDF98ABC9283C108D56@De11560>
Message-ID: <009501cd60a9\$03ca9500\$515e4d0c@yourxb2x7j77gn>

The model of Simpson 260 I have is 260 series 2 as shown on this web page:

<http://www.simpson260.com/>

The meter wording and the front panel match exactly.

Tahnks to Hank and others for the help.

73 Dave K4JRB

From bkemp at bobbkemp.com Fri Jul 13 13:46:45 2012
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Fri, 13 Jul 2012 12:46:45 -0500
Subject: [BoatAnchors] switch wanted
Message-ID: <00c701cd611f\$79060310\$6b120930\$@com>

Looking for the off/on Standby switch for a 75S-3. Need the complete assembly.

Bob

Wa0vrc

From bluegrassdakine at hotmail.com Fri Jul 13 14:21:57 2012
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Fri, 13 Jul 2012 08:21:57 -1000
Subject: [BoatAnchors] What's It Worth, Early battery radios
In-Reply-To: <A6FEDCE4F102452E864CF0D51DE5C657@davehome>
References: <A6FEDCE4F102452E864CF0D51DE5C657@davehome>
Message-ID: <BAY152-W42647D72FB77BD9D2B8F74A9D70@phx.gbl>

Article on early radios

=====

To: bluegrassdakine at hotmail.co
Subject: Emailing: What_s_It_Worth_Early_battery_radios-article-

fasj_worth_jul2012-html

Date: Wed, 11 Jul 2012 22:56:36 -1000

Shortcut to: <http://www2.electronicproducts.com/>

What_s_It_Worth_Early_battery_radios-article-fasj_worth_jul2012-html.aspx

From wrecktech at yahoo.com Fri Jul 13 14:52:33 2012

From: wrecktech at yahoo.com (Meyer Gottesman)

Date: Fri, 13 Jul 2012 11:52:33 -0700 (PDT)

Subject: [BoatAnchors] WTB Manual for Gates (aka Harris) BC1-J AM transmitter

Message-ID: <1342205553.22910.YahooMailClassic@web161606.mail.bf1.yahoo.com>

?

I would like to buy the manual for the old Gates (aka Harris) BC1-J 1 KW AM broadcast transmitter. Scanned copies, PDF, etc. okay. With schematic preferred.

?

73,

?

Meyer Gottesman, W6GIV

Tel: (478) 741-1710 Macon, GA

From wrecktech at yahoo.com Fri Jul 13 14:55:01 2012

From: wrecktech at yahoo.com (Meyer Gottesman)

Date: Fri, 13 Jul 2012 11:55:01 -0700 (PDT)

Subject: [BoatAnchors] Want to buy: GP-7 WW 2 boatanchor transmitter.

Message-ID: <1342205701.32369.YahooMailClassic@web161603.mail.bf1.yahoo.com>

?

Want to buy GP-7 MOPA design transmitter. Military from WW II. With or without tuning units. Would be nice to have tuning units "D" and "F" which cover 80 and 40 meters.

?

73,

?

Meyer Gottesman, W6GIV

Macon, GA

Tel: (478) 741-1710.

From anchor at ec.rr.com Fri Jul 13 15:29:42 2012
From: anchor at ec.rr.com (Al Parker)
Date: Fri, 13 Jul 2012 15:29:42 -0400
Subject: [BoatAnchors] WTB Manual for Gates (aka Harris) BC1-J AM
transmitter
In-Reply-To: <1342205553.22910.YahooMailClassic@web161606.mail.bf1.yahoo.com>
References: <1342205553.22910.YahooMailClassic@web161606.mail.bf1.yahoo.com>
Message-ID: <50007726.7050709@ec.rr.com>

I scanned to .pdf the BC-1T manual a few yrs ago. If it's of use to
you, I'll email it (~5Mb).
73,

Al, W8UT
www.boatanchors.org
www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much
worth doing as simply messing about in boats"
Ratty, to Mole

On 7/13/2012 2:52 PM, Meyer Gottesman wrote:

>
> I would like to buy the manual for the old Gates (aka Harris) BC1-J 1 KW AM
broadcast transmitter. Scanned copies, PDF, etc. okay. With schematic preferred.
>
> 73,
>
> Meyer Gottesman, W6GIV
> Tel: (478) 741-1710 Macon, GA
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From bmarx at bellsouth.net Sat Jul 14 09:18:01 2012
From: bmarx at bellsouth.net (Bill)
Date: Sat, 14 Jul 2012 09:18:01 -0400
Subject: [BoatAnchors] Old TV Cameras
Message-ID: <50017189.2070104@bellsouth.net>

I have a friend interested in Old TV Cameras from the 1950's and 60's.
Anyone know of sources for sale or collectors lists?

Bill

From infomet at embarqmail.com Sat Jul 14 15:29:52 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Sat, 14 Jul 2012 15:29:52 -0400 (EDT)
Subject: [BoatAnchors] SX-43
Message-ID:
<1181483770.474853.1342294192310.JavaMail.root@md17.embarq.synacor.com>

Still looking for window over main dial, with the 1 2 3 4 ranges marked.

Wilson

W4BOH

From cmthomp1 at wisc.edu Sat Jul 14 15:26:08 2012
From: cmthomp1 at wisc.edu (Clark Thompson)
Date: Sat, 14 Jul 2012 14:26:08 -0500
Subject: [BoatAnchors] Old TV Cameras
In-Reply-To: <50017189.2070104@bellsouth.net>
References: <50017189.2070104@bellsouth.net>
Message-ID: <5001C7D0.9080500@wisc.edu>

Hi Bill,

I would have your friend take a look at these forums:

<http://www.videokarma.org/index.php>

Best of luck,

Clark, K90A

On 7/14/12 8:18 AM, Bill wrote:

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> Anyone know of sources for sale or collectors lists?
>
> Bill
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From ddillman at igc.org Sun Jul 15 20:42:25 2012
From: ddillman at igc.org (Richard Dillman)
Date: Sun, 15 Jul 2012 17:42:25 -0700 (GMT-07:00)
Subject: [BoatAnchors] Night of Nights Report Out Soon
Message-ID: <22906232.1342399345829.JavaMail.root@mswamui-thinleaf.atl.sa.earthlink.net>

The report on Night of Nights XIII, including text, photos *and* audio clips, will be included in the next MRHS Newsletter which will be out soon.

If you haven't already signed up to receive the Newsletter and would like to get it, just go to our Web site at:

<http://www.radiomarine.org>

There's a new link at the top of the home page allowing you to easily sign up.

As always, you can opt out at any time.

VY 73,

RD

=====
Richard Dillman, WPE2VT
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From infomet at embarqmail.com Mon Jul 16 18:09:31 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Mon, 16 Jul 2012 18:09:31 -0400 (EDT)
Subject: [BoatAnchors] Old BC XMTR
Message-ID: <2142678143.31256.1342476571050.JavaMail.root@md17.embarq.synacor.com>

Does anyone have experience with recent sale of Gates BC1T xmtr?

I need to establish a ballpark value.

Thanks,

Wilson,

From navy.radio at gmail.com Tue Jul 17 06:40:47 2012
From: navy.radio at gmail.com (Nick England)
Date: Tue, 17 Jul 2012 06:40:47 -0400
Subject: [BoatAnchors] Fwd: Collectible Ham Radios for feature film Paranoia
In-Reply-To: <4DDCB912-5018-49A3-B15A-B65095DCD82D@mac.com>
References: <4DDCB912-5018-49A3-B15A-B65095DCD82D@mac.com>
Message-ID: <CAB55hNd51y_5QFbCcuYHQGX=DJepPbTPF8gMDEjUB2CRrj2B0A@mail.gmail.com>

Anyone in the Philadelphia area interested in the movies?

----- Forwarded message -----

From: Michael Jortner <mkjortner at mac.com>
Date: Mon, Jul 16, 2012 at 9:21 PM
Subject: Collectible Ham Radios for feature film Paranoia
To: nick at virhistory.com
Nick,

How are you? I'm a Propmaster working on a feature film in Philadelphia titled "Paranoia". In the film, one of our main characters, played by Harrison Ford is an avid Ham Radio Collector and there are 2 featured Ham Radios in his study which are an integral visual that motivates a major scene between two main characters. Ideally, I'm looking to find someone who might be willing to rent me two interesting, strikingly visual ham radios, possibly with with (and I'm not sure if this exists) exposed glowing tubes that can lure our actor into the room with some warm glow and then another radio that has a large assortment of dials that begs to be touched. I'm not sure if this is possible or if you might be someone willing to rent to know collectors that I can speak with. Either way, I welcome any thoughts and input that you might have for me.

Talk soon,
Michael Jortner
Property Master
"Paranoia"
Paranoia Productions, LLC
30 S. 15th Street, 11th Floor
Philadelphia, PA 19102
(267) 507-9070 office
(917) 673-0664 cell
(267) 507-9096 fax

From thompson at mindspring.com Thu Jul 19 12:17:00 2012

From: thompson at mindspring.com (David Thompson)
Date: Thu, 19 Jul 2012 12:17:00 -0400
Subject: [BoatAnchors] Simpson 260 we page print help
Message-ID: <004a01cd65c9\$ede03c60\$845d4d0c@yourxb2x7j77gn>

I got this web page which covers all of the Simpson 260's. Mine is a Simpson 260 2.

The page is <http://www.simpson260.com/>

I get to both the schematic and manual and using it I got the batteries all straight.
It works on resistance and DC volts.

The problem is I can see the pages plainly but cannot print them. I need help on printing.

Thanks for all the help so far.

73 Dave K4JRB

From richardlo at admin.athabascau.ca Thu Jul 19 12:38:59 2012
From: richardlo at admin.athabascau.ca (Richard Loken)
Date: Thu, 19 Jul 2012 10:38:59 -0600 (MDT)
Subject: [BoatAnchors] Simpson 260 we page print help
In-Reply-To: <004a01cd65c9\$ede03c60\$845d4d0c@yourxb2x7j77gn>
Message-ID: <Pine.PMDF.4.44L.1207191030140.310-100000@local.admin.athabascau.ca>

On Thu, 19 Jul 2012, David Thompson wrote:

> The page is <http://www.simpson260.com/>

> I get to both the schematic and manual and using it I got the batteries
> all straight. It works on resistance and DC volts.

> The problem is I can see the pages plainly but cannot print them. I need
> help on printing.

Can you describe your printing problems more fully?

The manuals and schematics on that site are mostly PDF (earlty version Acrobat) files and should display and print on any browser including Mozilla Seamonkey on my antique OpenVMS computer.

If you cannot get the file to display or print in your browser then you

should be able to "right click" on the link and save the file to you hard drive and then look at it with the Acrobat reader or any of a dozen other PDF readers and any of them should allow you to print the document.

--

Richard Loken VE6BSV, Unix System Administrator : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'"
** richardlo at admin.athabascau.ca ** : - Lynn Johnston

From gumbear at pacbell.net Thu Jul 19 16:10:46 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 19 Jul 2012 13:10:46 -0700
Subject: [BoatAnchors] Simpson 260 we page print help
References: <004a01cd65c9\$ede03c60\$845d4d0c@yourxb2x7j77gn>
Message-ID: <002c01cd65f0\$5ebfd8c0\$650aa8c0@KB6NAX>

Dave, are you using Acrobat Reader to view the pages? If not it is a free download from a million places on the internet. Just Google "Acrobat Reader".

Arden Allen
KB6NAX

Adopt a shelter dog,
save an innocent life,
and make a friend forever =:-)

> I got this web page which covers all of the Simpson 260's. Mine is a Simpson 260 2.

The page is <http://www.simpson260.com/>

I get to both the schematic and manual and using it I got the batteries all straight.
It works on resistance and DC volts.

The problem is I can see the pages plainly but cannot print them. I need help on printing.

Thanks for all the help so far.

73 Dave K4JRB
.....

From arc5 at ix.netcom.com Fri Jul 20 08:47:08 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 20 Jul 2012 07:47:08 -0500
Subject: [BoatAnchors] Simpson 260 we page print help
In-Reply-To: <002c01cd65f0\$5ebfd8c0\$650aa8c0@KB6NAX>
References: <004a01cd65c9\$ede03c60\$845d4d0c@yourxb2x7j77gn>
<002c01cd65f0\$5ebfd8c0\$650aa8c0@KB6NAX>
Message-ID: <6D56BA8FA3144358B9484C9AE6BD279C@CompaqSR5710F>

----- Original Message -----

From: "Arden Allen" <gumbear at pacbell.net>

> Adopt a shelter dog,
> save an innocent life,
> and make a friend forever =:-)

Adopt a cat;
you know you need a master to keep you in line...

From arc5 at ix.netcom.com Fri Jul 20 08:50:43 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 20 Jul 2012 07:50:43 -0500
Subject: [BoatAnchors] 812 Self-Rectifying Power Oscillator
Message-ID: <CE84A709ABCB49F88678094C52D1EC82@CompaqSR5710F>

I recently acquired a self-rectifying power oscillator using an 812 tube. Frequency appears to be longwave with a big link-coupled output. The switchable outputs are marked "Tank One" and "Tank Two."
Electroplating?? Anyone know, and the why of high-power RF to do it?

From wb0eq at yahoo.com Fri Jul 20 13:56:22 2012
From: wb0eq at yahoo.com (John Sehring)
Date: Fri, 20 Jul 2012 10:56:22 -0700 (PDT)
Subject: [BoatAnchors] Halli SX-73
Message-ID: <1342806982.68359.YahooMailNeo@web45615.mail.sp1.yahoo.com>

I read with interest the thread on Halli SX-73.

It uses a turret for bandswitching, something like the Hammar SP-600 Super Pro.

The Super Pro had problems with the turret.? I recall seeing tiny chips of metal fall out of this "bandswitch"!

IMO, the Halli SX-100 was an equal or better performer.? It used far fewer tubes, was much less complex, had more useful features, was smaller & lighter, easy to work on, and cost a heck of lot less.

The SX-100's selectivity a la 50 kHz final IF frequency was just about as good as it got with lumped LC circuits.? It was virtually overload-proof whereas? the SX-73's choice of two RF amps and a-very-poor-choice-for-AVC-controlled 1st RF amp (6AG5)? was not.? As the SX-73 used dual conversion above 7 MHz it did NOT need 2 RF stages, in fact, suffers from that.

The SX-100 was designed around the same time as the SX-73.? The SX-100 circuit (dual conversion, 1650 & 50 kHz IF's) lived on in the SX-101, -101A, -122, -115 models--that's actually quite a few years.? Their performance was decent enough.? (I think the Drake tube type receivers using same kind of LC final IF was a bit better.)

Another vastly over-complicated radio was the Halli SX-88. It did not deliver performance commensurate with its cost & complexity.?

Due to its rarity (it was a poor seller--the marketplace spoke), it's idiotically expensive, too.

I am fascinated with the march of receiver progress(?) from the past.

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From aguibert at sympatico.ca Fri Jul 20 15:03:58 2012

From: aguibert at sympatico.ca (=?iso-8859-1?Q?Andr=E9_Guibert?=?)

Date: Fri, 20 Jul 2012 15:03:58 -0400

Subject: [BoatAnchors] [MSG to ORIGINAL WS#19 GROUP -- WS19G] Fw: Photos

References: <BLU0-SMTP100B3B984F778C03A50D223AAD80@phx.gbl>

Message-ID: <BLU0-SMTP267849F427986FDBD5FB3DAAD80@phx.gbl>

Sorry, wrong recipient

>

>

>> S?rie 4>

From thompson at mindspring.com Fri Jul 20 16:49:20 2012
From: thompson at mindspring.com (David Thompson)
Date: Fri, 20 Jul 2012 16:49:20 -0400
Subject: [BoatAnchors] Success on printing the entire Simpson Manual
Message-ID: <005401cd66b9\$3129fa70\$9e5e4d0c@yourxb2x7j77gn>

For some reason (I took out the print to file) and printed the Specifications, pictures of the 260, the schematic, and the actual manual. The manual is printed at 77% two wide so I can heading for a nice cutter to make a complete manual that ends in the schematic.

The only battery that was changed was the 1.5V D which was replaced in the early 1980s. The Burgess AA Batteries all seemed to test (on another VTM) close to 1.5VDC. I read ohms, DC volts, and the test for a closed (open or closed) circuit is OK. I tested a known bad HV fuse from the Henry 2K (open) and a known good HV Fuse(closed). I knew there was a reason to keep a couple of bad HV fuses (these are 3" long). Actually Henry Radio says the have them on their E- - - Store so I can get replacements.

I have two other Volt meters (A Sears VOM) and a Heath V7A VTVM.

Thanks for all the help.

73 Dave K4JRB

From arc5 at ix.netcom.com Fri Jul 20 16:54:21 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 20 Jul 2012 15:54:21 -0500
Subject: [BoatAnchors] 812 Self-Rectifying Power Oscillator
In-Reply-To: <003001cd66b6\$f6ea1770\$e4be4650\$@earthlink.net>
References: <CE84A709ABCB49F88678094C52D1EC82@CompaqSR5710F>
<003001cd66b6\$f6ea1770\$e4be4650\$@earthlink.net>
Message-ID: <5352A7B0CBB648EE839FE8E1944559E5@CompaqSR5710F>

I think ultrasonic cleaner is best idea so far.
Tank too low-freq for diathermy: Here's a couple of photos.
Note the big stack of mica caps in parallel in the tank.

http://home.netcom.com/~arc5/_images/812po1.jpg
http://home.netcom.com/~arc5/_images/812po2.jpg

From wb0eq at yahoo.com Fri Jul 20 20:35:14 2012

From: wb0eq at yahoo.com (John Sehring)
Date: Fri, 20 Jul 2012 17:35:14 -0700 (PDT)
Subject: [BoatAnchors] Collectible Ham Radios for feature film Paranoia
Message-ID: <1342830914.85772.YahooMailNeo@web45605.mail.sp1.yahoo.com>

A couple of years ago, the folks who make TV series "Heartland" right here in Alberta needed two ham radio units.?

I rented my Johnson Ranger and Drake R-4A.? I rigged a few 7 watt xmas lights inside the case for filamentarian action.

Photographed nicely.? And I made some nice money, too.

Don't know if Heartland is seen in the states--anyone?

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From wb0eq at yahoo.com Fri Jul 20 20:47:37 2012
From: wb0eq at yahoo.com (John Sehring)
Date: Fri, 20 Jul 2012 17:47:37 -0700 (PDT)
Subject: [BoatAnchors] Simpson 260
Message-ID: <1342831657.73183.YahooMailNeo@web45611.mail.sp1.yahoo.com>

Simpson260 web page shows that Simpson made a large number of variants.

The major changes were:

1) Germanium diodes in parellel but opposite polarity directly across the 50 uA meter for some kind of proteccion.? Meter FS? needs on 100 mV for FS vs. Ge diodes conducting 300 mV.

2.? Major diff was lots of pots to calibrate VOM.? Not present at all in earlier ones.? MIL-spec 260's had then as well.

I have only a Simpson 269 (giant meter face) but ct. is similar -260 and MIL-spec version of it has all the extra stuff.

I retrofitted cal pots into my 269.? Need to follow cal procedures, their functions are not obvious until you do it.

Have found lots of fixed R drifters in them so cal pots are a great idea.? Did not look forward to pfutzin with endless combos of R's to achieve cal.

269 has a 10 uA meter!?! That's about as sensitive as you'll get w/o getting into genuine galvanometers.

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From 4cx250b at muohio.edu Fri Jul 20 21:06:28 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Fri, 20 Jul 2012 19:06:28 -0600
Subject: [BoatAnchors] Can you identify this xmtr?
Message-ID: <D4EE3335E1BD48F4B681243FE1AB7F8C@Garland>

A photo from an upcoming estate has a transmitter I've seen somewhere but can't identify. I can email a photo, if you've got an idea what it is. It's 1950s vintage, about 15"W x 12"H, has a dial and tuning knob reminiscent of a cheaply made 75A2 in the center, a square black Triplett meter on the upper left side, a 2 inch oscilloscope on the upper right side, and knobs that look kind of like early Hammarlund. I'm guessing it's SSB, but I suppose it could be AM. There's a single pin mic jack on the lower left. Any ideas? (It's not a Central Electronics transmitter).

73,

Jim W8ZR

From johnmb at nc.rr.com Fri Jul 20 21:18:58 2012
From: johnmb at nc.rr.com (john)
Date: Fri, 20 Jul 2012 21:18:58 -0400
Subject: [BoatAnchors] Can you identify this xmtr?
In-Reply-To: <D4EE3335E1BD48F4B681243FE1AB7F8C@Garland>
References: <D4EE3335E1BD48F4B681243FE1AB7F8C@Garland>
Message-ID: <6.2.1.2.2.20120720211836.03b91a20@pop-server.nc.rr.com>

Sounds like an Eldico SSB100 Jim, could that be it?

John K5MO

At 09:06 PM 7/20/2012, Jim Garland wrote:

>A photo from an upcoming estate has a transmitter I've seen somewhere but
>can't identify. I can email a photo, if you've got an idea what it is. It's
>1950s vintage, about 15"W x 12"H, has a dial and tuning knob reminiscent of
>a cheaply made 75A2 in the center, a square black Triplett meter on the
>upper left side, a 2 inch oscilloscope on the upper right side, and knobs
>that look kind of like early Hammarlund. I'm guessing it's SSB, but I
>suppose it could be AM. There's a single pin mic jack on the lower left. Any
>ideas? (It's not a Central Electronics transmitter).

>

>73,
>
>Jim W8ZR
>
>-----
>BoatAnchors mailing list
>BoatAnchors at theporch.com
><https://minime.theporch.com/mailman/listinfo/boatanchors>

From ranickel at comcast.net Fri Jul 20 21:16:03 2012
From: ranickel at comcast.net (Robert Nickels)
Date: Fri, 20 Jul 2012 20:16:03 -0500
Subject: [BoatAnchors] Can you identify this xmtr?
In-Reply-To: <D4EE3335E1BD48F4B681243FE1AB7F8C@Garland>
References: <D4EE3335E1BD48F4B681243FE1AB7F8C@Garland>
Message-ID: <500A02D3.7060808@comcast.net>

On 7/20/2012 8:06 PM, Jim Garland wrote:
> a transmitter I've seen somewhere but can't identify.
Hi Jim,

Sounds like the Eldico SSB-100F:
<http://www.qsl.net/la5ki/org/el/ssb100f.jpg>

A lovely transmitter! Or it possibly could be the previous SSB-100 model but they're very scarce.

73, Bob W9RAN

From johnmb at nc.rr.com Fri Jul 20 21:31:58 2012
From: johnmb at nc.rr.com (john)
Date: Fri, 20 Jul 2012 21:31:58 -0400
Subject: [BoatAnchors] Can you identify this xmtr?
In-Reply-To: <500A02D3.7060808@comcast.net>
References: <D4EE3335E1BD48F4B681243FE1AB7F8C@Garland>
<500A02D3.7060808@comcast.net>
Message-ID: <6.2.1.2.2.20120720213008.03bd9eb0@pop-server.nc.rr.com>

I think you're right Mr Nickels. My 100 doesn't look NEARLY that good, since it was another of those rigs that was painted directly over bare unprimed aluminum.

It has reverted back to 40% bare unprimed aluminum as a result.

How can anyone not like a rig with a scope in the front panel!?

John (100 and 100F owner)

At 09:16 PM 7/20/2012, Robert Nickels wrote:

>On 7/20/2012 8:06 PM, Jim Garland wrote:

>>a transmitter I've seen somewhere but can't identify.

>Hi Jim,

>

>Sounds like the Eldico SSB-100F: <http://www.qsl.net/la5ki/org/el/ssb100f.jpg>

>

>A lovely transmitter! Or it possibly could be the previous SSB-100 model
>but they're very scarce.

>

>73, Bob W9RAN

>

>-----
>BoatAnchors mailing list

>BoatAnchors at theporch.com

><https://minime.theporch.com/mailman/listinfo/boatanchors>

From laffitte at prtc.net Sat Jul 21 00:50:17 2012

From: laffitte at prtc.net (Guido)

Date: Sat, 21 Jul 2012 00:50:17 -0400

Subject: [BoatAnchors] OS 8 A/U

In-Reply-To: <6.2.1.2.2.20120720213008.03bd9eb0@pop-server.nc.rr.com>

References:

<D4EE3335E1BD48F4B681243FE1AB7F8C@Garland><500A02D3.7060808@comcast.net>

<6.2.1.2.2.20120720213008.03bd9eb0@pop-server.nc.rr.com>

Message-ID: <00DA48700E12461B84A1FEA3388FDA7E@GuidoPC>

Gentlemen,

It's been sometime since I have asked for help from this list but I need it. These days I have been working on an older OS8 A/U oscilloscope. This unit was given to me so that I could use the power transformer for a defunct OS8 B/U. I found that the transformer was not exactly the same plus the A unit was complete and looked so great it was a shame to cannibalize it. I decided that restoration at some future day was in order and the day or days arrived. This OS8 A/U looks different from all the other OS8s that I have worked on and I have two of them in working order, a C and and E version. The defunct B version has a shorted power transformer and I kept it for spare parts. The problem with the A version is that I cannot get any display on the CRT. OS8 A/U model uses a 1Z2 high voltage rectifier unlike the silicon rectifiers of the later B,C, E etc. All tubes including the 1Z2 are OK, all resistances within limits, caps OK with electrolytics replaced. The CRT filament is OK and I even replaced the CRT with one from the B unit that

was working until the day the transformer from that unit went caput. That CRT did not work either so I guess that there's another problem. So that's the story but I have been working without a manual or schematic for the OS8 A/U. So if any one has at least an schematic it will be highly appreciated.

Best 73s

Guido KP4FAR

From 4cx250b at muohio.edu Sun Jul 22 20:40:36 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Sun, 22 Jul 2012 18:40:36 -0600
Subject: [BoatAnchors] testing 3B28s?
Message-ID: <2637E7E7F7604C10B908D62A7CC48A20@JimsOffice>

Anybody know how to test a 3B28 rectifier tube, short of putting it in a power supply? I have a TV7a and a TV2b, but can't seem to find any settings for the tube. I'm guessing neither tester provides enough plate voltage to give a good test but, curiously, I had noted on the tube boxes that the tubes tested fine. Don't recall how I did it, but probably just by substitution in a working power supply.

Reason for asking: there was a loud bang in my 30S-1 this afternoon. I verified there was no short in the HV circuit and then replaced the fuse. All seems to work now, but occasionally I hear a pop-pop-pop sound in the receiver that only occurs with the HV on. Chances are I've either got a bum rectifier, or a problem with the 4CX1000A. Of course, sometimes, RF tubes just flash over for no apparent reason. The reason I suspect the 3B28s is that they're newly replaced in the amp, following operator-error-induced failure of the diode blocks I'd previously used.

73,

Jim W8ZR

From hankvc at lostwells.net Mon Jul 23 00:38:04 2012
From: hankvc at lostwells.net (HankVC)
Date: Sun, 22 Jul 2012 22:38:04 -0600 (MDT)
Subject: [BoatAnchors] testing 3B28s?
In-Reply-To: <2637E7E7F7604C10B908D62A7CC48A20@JimsOffice>

Message-ID: <201207230438.q6N4c4we009450@joanne.lostwells.net>

The esteemed Jim Garland has said:

>
> Anybody know how to test a 3B28 rectifier tube, short of putting it in a
> power supply? I have a TV7a and a TV2b, but can't seem to find any settings
> for the tube. I'm guessing neither tester provides enough plate voltage to
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> just flash over for no apparent reason. The reason I suspect the 3B28s is
> that they're newly replaced in the amp, following operator-error-induced
> failure of the diode blocks I'd previously used.
>

Jim, a 3B28 is a direct replacement for an 866, so if your testers have settings for 866, I'd try them. Differences in the specs for the two are that 3B28 has a 10V drop at full load vs. 15 for the 866, and 3B28 has a critical anode voltage of 50V max. You'll have to check the tester's plate voltage, and I'd expect readings different from 866 but all more-or-less the same.

You are, of course, aware that a tube tester test isn't at all close to actual in-circuit parameters. In general, I don't use a tube tester except to check for shorts with the filament/heater energized.

Thinking back on things, I was involved in certifying a commercial FM transmitter using 4CX5000's, and we had no end of trouble inside the RF box with flashovers. The problem was traced to a specific in the design---the bypass caps were aluminum plates over teflon dielectric, and the teflon manufacturer didn't tell us that the teflon sheets were skived, like plywood. Once we went to cast teflon and rounded off the corners on the plates, the transmitters were fine. B+ in those boxes was, I think, 6500 volts.

Hank

From k4pf at juno.com Mon Jul 23 16:41:33 2012
From: k4pf at juno.com (k4pf at juno.com)
Date: Mon, 23 Jul 2012 20:41:33 GMT

Subject: [BoatAnchors] testing 3B28s?

Message-ID: <20120723.164133.28980.1@webmail06.vgs.unttd.com>

> "Jim Garland" <4cx250b at muohio.edu> wrote

>Anybody know how to test a 3B28 rectifier tube, short of putting it in a power supply? I have a TV7a and a TV2b, but can't seem to find any settings for the tube. I'm guessing neither tester provides enough plate voltage to give a good test but, curiously, I had noted on the tube boxes that the tubes tested fine. Don't recall how I did it, but probably just by substitution in a working power supply.

Hi, Jim

I also have a 30S-1 and a TV-7B/U

To test a 3B28, set the TV-7 as follows:

Fil 2.5 ERO-0000 Bias 0 Shunt 90 Range A Press 4 (Gas 1 button)

Min = 40 Note: Cap connects to plate.

This data was printed in the 1962 edition of the TV-7 tube data book which came included with my old TV-7.

I just tested a new 3B28 in my TV-7, and got a reading of 60.

There was a very slight purple glow within the tube with the button depressed.

Could you tell us more about how you popped your diodes?

73,

Ed Knobloch

From wb3fau55 at neo.rr.com Mon Jul 23 18:35:58 2012

From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)

Date: Mon, 23 Jul 2012 18:35:58 -0400

Subject: [BoatAnchors] testing 3B28s?

In-Reply-To: <2637E7E7F7604C10B908D62A7CC48A20@JimsOffice>

Message-ID: <20120723223558.NFJWJ.171567.root@cdptpa-web09-z01>

I have 3B28s in a T-368 transmitter. They handle overload very well.

Suppose subs that are new should be FB. 866s are pretty, but can be troublesome. SS diodes often open or short. Do not take overload well. Russ.

---- Jim Garland <4cx250b at muohio.edu> wrote:

> Anybody know how to test a 3B28 rectifier tube, short of putting it in a
> power supply? I have a TV7a and a TV2b, but can't seem to find any settings
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> rectifier, or a problem with the 4CX1000A. Of course, sometimes, RF tubes
> just flash over for no apparent reason. The reason I suspect the 3B28s is
> that they're newly replaced in the amp, following operator-error-induced
> failure of the diode blocks I'd previously used.
>
>
>
> 73,
>
> Jim W8ZR
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From w7qho at aol.com Mon Jul 23 19:59:51 2012
From: w7qho at aol.com (mac)
Date: Mon, 23 Jul 2012 16:59:51 -0700
Subject: [BoatAnchors] testing 3B28s?
In-Reply-To: <20120723223558.NFJWJ.171567.root@cdptpa-web09-z01>
References: <20120723223558.NFJWJ.171567.root@cdptpa-web09-z01>
Message-ID: <81E72D13-3A70-438F-B97D-83EBFE6A1C96@aol.com>

My experience with 3B28s has been with a pair of T-368s acquired
almost 20
years ago. Unknown number of hours on the 3B28s they came with. Both
sets
of rectifiers still going strong as of this date despite a number
circuit breaker kicking
overloads and HV arc-overs along the way..

Dennis D. W7QHO
Glendale, CA

On Jul 23, 2012, at 3:35 PM, <wb3fau55 at neo.rr.com> wrote:

```
> I have 3B28s in a T-368 transmitter. They handle overload very
> well.
> Suppose subs that are new should be FB. 866s are pretty, but
> can be
> troublesome. SS diodes often open or short. Do not take
> overload well.Russ.
> ---- Jim Garland <4cx250b at muohio.edu> wrote:
>> Anybody know how to test a 3B28 rectifier tube, short of putting it
>> in a
>> power supply? I have a TV7a and a TV2b, but can't seem to find any
>> settings
>> for the tube. I'm guessing neither tester provides enough plate
>> voltage to
>> give a good test but, curiously, I had noted on the tube boxes that
>> the
>> tubes tested fine. Don't recall how I did it, but probably just by
>> substitution in a working power supply.
>>
>>
>> Reason for asking: there was a loud bang in my 30S-1 this
>> afternoon. I
>> verified there was no short in the HV circuit and then replaced the
>> fuse.
>> All seems to work now, but occasionally I hear a pop-pop-pop sound
>> in the
>> receiver that only occurs with the HV on. Chances are I've either
>> got a bum
>> rectifier, or a problem with the 4CX1000A. Of course, sometimes, RF
>> tubes
>> just flash over for no apparent reason. The reason I suspect the
>> 3B28s is
>> that they're newly replaced in the amp, following operator-error-
>> induced
>> failure of the diode blocks I'd previously used.
>>
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>>
>> 73,
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>> Jim W8ZR
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>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com
>> https://minime.theporch.com/mailman/listinfo/boatanchors
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>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From bob at nofrowns.net Thu Jul 26 18:29:40 2012
From: bob at nofrowns.net (Bob Jackson)
Date: Thu, 26 Jul 2012 17:29:40 -0500
Subject: [BoatAnchors] IF xfmrs needed
Message-ID: <CD6EADD93F414A4C8C70AEC50DB8E84A@c1408123a>

I need both IF xfmrs for a Hallicrafters S-38A. Any help appreciated.

73,

Bob AG5X

From n7rk at cox.net Thu Jul 26 18:45:34 2012
From: n7rk at cox.net (David Hollander)
Date: Thu, 26 Jul 2012 15:45:34 -0700
Subject: [BoatAnchors] Disassembly complete: Heathkit is no more
Message-ID: <5011C88E.4090904@cox.net>

Stick a fork in it. It's done!

<http://tinyurl.com/dx75y4j>

From w7qho at aol.com Thu Jul 26 20:23:00 2012
From: w7qho at aol.com (mac)
Date: Thu, 26 Jul 2012 17:23:00 -0700
Subject: [BoatAnchors] Disassembly complete: Heathkit is no more
In-Reply-To: <5011C88E.4090904@cox.net>
References: <5011C88E.4090904@cox.net>
Message-ID: <4CC97800-4A3B-44FB-B48E-10BF2E935122@aol.com>

Wonder if there are any ramifications here vis-a-vis Heathkit manuals availability/unavailability?

Dennis D. W7QHO
Glendale, CA

On Jul 26, 2012, at 3:45 PM, David Hollander wrote:

> Stick a fork in it. It's done!
>
> <http://tinyurl.com/dx75y4j>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From johnmb at nc.rr.com Fri Jul 27 06:34:38 2012
From: johnmb at nc.rr.com (john)
Date: Fri, 27 Jul 2012 06:34:38 -0400
Subject: [BoatAnchors] Disassembly complete: Heathkit is no more
In-Reply-To: <4CC97800-4A3B-44FB-B48E-10BF2E935122@aol.com>
References: <5011C88E.4090904@cox.net>
<4CC97800-4A3B-44FB-B48E-10BF2E935122@aol.com>
Message-ID: <6.2.1.2.2.20120727063410.02ab6ba0@pop-server.nc.rr.com>

At 08:23 PM 7/26/2012, mac wrote:
> Wonder if there are any ramifications here vis-a-vis Heathkit manuals
> availability/unavailability?

The rights to the manuals were sold previously

John

From knjhanlon at msn.com Fri Jul 27 23:01:16 2012
From: knjhanlon at msn.com (JAMES HANLON)
Date: Fri, 27 Jul 2012 21:01:16 -0600
Subject: [BoatAnchors] If xfmrs needed
Message-ID: <SNT106-W693E476617E3860D69EF0A0C00@phx.gbl>

Bob,

Two suggestions.

1. Raid almost any five-tube BC band superhet for its IF transformers.
2. Go to ebay item number 150865656731 "Kasuga Trio (Kenwood) 455KC T-12 IF Transformers (Complete set of 3)." The seller says they were removed from a Hallicrafters receiver that he is restoring and that they were used as input, interstage, and output transformers. They all peak at 455 kc. As I write this the auction will run for 4 days, 23 hours, there is currently 1 bid for \$5.

Good luck,

Jim, W8KGI

From rparker at dccnet.com Sat Jul 28 03:01:03 2012
From: rparker at dccnet.com (Ralph Parker)
Date: Sat, 28 Jul 2012 00:01:03 -0700
Subject: [BoatAnchors] Value of Collins 30J?
Message-ID: <3.0.6.32.20120728000103.00b6bf58@pop3.dccnet.com>

Reality has raised its ugly head, and I finally realize that I'll never get around to working on this beast, so it's time to pass it on to someone with a little more time and ambition than I find myself with. So much for my entry into the world of Heavy Iron - the Valiant will have to do.

It's a 30J-18, with a pair of 813s in the final. Almost everything is there, except the HV transformer. The mv pwr supply module has some surface rust, but the bottom is clean. The loading capacitor had been removed by a PO for another project, but I was able to get it back. It is not yet installed.

It has three sets of plug-in coils, which seem to be marked for 160, 80, 40. Included in the box of tubes, there are two C-120s (modulators), which look good, but who knows.

It's not a museum piece, but would look comfortable in the average basement AM shack. Any suggestions as to what I should ask for it, to someone who wants an interesting project? The buyer would have to pick it up in Vancouver, BC.

Ralph, VE7XF

From laffitte at prtc.net Sat Jul 28 15:11:08 2012
From: laffitte at prtc.net (Guido)
Date: Sat, 28 Jul 2012 15:11:08 -0400
Subject: [BoatAnchors] Eico 430 scope
Message-ID: <E309B0B0664D4485AF1ABABEDF9632CC@GuidoPC>

My 430 Eico scope power transformer went belly up. This is a completely recapped unit so I guess that the scope's transformer time was up. Does anyone in the list has a junker 430 with a good power transformer? I know that these were known for weak power transformers so this may be a shot in the dark but then, it's worth trying since this scope has been in the shack for years and I will hate to just consign it to the junk box.

Best 73s

Guido KP4FAR

From spr at earthlink.net Sat Jul 28 15:49:37 2012
From: spr at earthlink.net (Scott Robinson)
Date: Sat, 28 Jul 2012 12:49:37 -0700
Subject: [BoatAnchors] Eico 430 scope
In-Reply-To: <E309B0B0664D4485AF1ABABEDF9632CC@GuidoPC>
References: <E309B0B0664D4485AF1ABABEDF9632CC@GuidoPC>
Message-ID: <50144251.9030703@earthlink.net>

Hi Guido,

If you can't find an original power transformer, one or another of the Heath 'scope transformers might be similar, and might be less failure-prone.

/scott

On 7/28/12 12:11 PM, Guido wrote:

> My 430 Eico scope power transformer went belly up. This is a completely recapped unit so I guess that the scope's transformer time was up. Does anyone in the list has a junker 430 with a good power transformer? I know that these were known for weak power transformers so this may be a shot in the dark but then, it's worth trying since this scope has been in the shack for years and I will hate to just consign it to the junk box.

>

> Best 73s

>

> Guido KP4FAR

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From spr at earthlink.net Sat Jul 28 16:04:53 2012
From: spr at earthlink.net (Scott Robinson)
Date: Sat, 28 Jul 2012 13:04:53 -0700
Subject: [BoatAnchors] Eico 430 scope
In-Reply-To: <E309B0B0664D4485AF1ABABEDF9632CC@GuidoPC>
References: <E309B0B0664D4485AF1ABABEDF9632CC@GuidoPC>
Message-ID: <501445E5.2050302@earthlink.net>

Hi Again Guido,

IF your scope, like my Tek 310, has a good HV winding but has developed leakage from the CRT heater winding to ground, you can just add a small

filament transformer (3KV insulation rating, please, as the scope probably has about 1500V HV) substituting it for the original heater winding.

Good luck!

/scott

On 7/28/12 12:11 PM, Guido wrote:

> My 430 Eico scope power transformer went belly up. This is a completely recapped unit so I guess that the scope's transformer time was up. Does anyone in the list has a junker 430 with a good power transformer? I know that these were known for weak power transformers so this may be a shot in the dark but then, it's worth trying since this scope has been in the shack for years and I will hate to just consign it to the junk box.

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> Best 73s

>

> Guido KP4FAR

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From laffitte at prtc.net Sun Jul 29 13:44:37 2012

From: laffitte at prtc.net (Guido)

Date: Sun, 29 Jul 2012 13:44:37 -0400

Subject: [BoatAnchors] OS8 scope

Message-ID: <353CACF16ADB46FAA8AD00C127D68CA8@GuidoPC>

To Tom Chirhart,

I answered your message yesterday let me know if you received the email. I apologize for this but it seems that I am having some problems with my emails. In any case this is related to an OS8 scope.

73s

Guido KP4FAR

From navy.radio at gmail.com Sun Jul 29 15:22:56 2012

From: navy.radio at gmail.com (Nick England)

Date: Sun, 29 Jul 2012 15:22:56 -0400

Subject: [BoatAnchors] Atlas RX-110 manual

Message-ID: <CAB55hNf80hLCpunWmaAmGmRo0enDXsQaSZsvHoy0fDGdToUvg@mail.gmail.com>

Contact Ron if you want this manual

----- Forwarded message -----

From: Ron Pulsipher <ron at bigdam.net>

Date: Sun, Jul 29, 2012 at 2:02 PM

Subject: ATlas RX-110

To: nick at virhistory.com

Hello Nick,, I found a installation and Operation Manual in a trade, it is in good shape . it has Mike horvat listed on the back and was wondering if any one was interested, will send it to them for the price of sending it to them. Ron

--

Ron Pulsipher- KE7NRA God bless and Ride safe

From WA1KBQ at aol.com Tue Jul 31 19:12:57 2012

From: WA1KBQ at aol.com (WA1KBQ at aol.com)

Date: Tue, 31 Jul 2012 19:12:57 -0400 (EDT)

Subject: [BoatAnchors] Halli SX-73

Message-ID: <24304.1eab4ea2.3d49c079@aol.com>

You're just kidding here correct? The SX-100 is a toy compared to the heavyweights you are comparing it with. I hope we don't have to re-hash all the various and significant engineering differences here all over again. The SX-100 cost much less for a very good reason.

Regards, Greg

In a message dated 7/20/2012 1:59:54 P.M. Eastern Daylight Time, wb0eq at yahoo.com writes:

I read with interest the thread on Halli SX-73.

It uses a turret for bandswitching, something like the Hammar SP-600 Super Pro.

The Super Pro had problems with the turret. I recall seeing tiny chips of metal fall out of this "bandswitch"!

IMO, the Halli SX-100 was an equal or better performer. It used far fewer tubes, was much less complex, had more useful features, was smaller & lighter, easy to work on, and cost a heck of lot less.

The SX-100's selectivity a la 50 kHz final IF frequency was just about as good as it got with lumped LC circuits. It was virtually overload-proof

whereas the SX-73's choice of two RF amps and a-very-poor-choice-for-AVC-controlled 1st RF amp (6AG5) was not. As the SX-73 used dual conversion above 7 MHz it did NOT need 2 RF stages, in fact, suffers from that.

The SX-100 was designed around the same time as the SX-73. The SX-100 circuit (dual conversion, 1650 & 50 kHz IF's) lived on in the SX-101, -101A, -122, -115 models--that's actually quite a few years. Their performance was decent enough. (I think the Drake tube type receivers using same kind of LC final IF was a bit better.)

Another vastly over-complicated radio was the Halli SX-88. It did not deliver performance commensurate with its cost & complexity.

Due to its rarity (it was a poor seller--the marketplace spoke), it's idiotically expensive, too.

I am fascinated with the march of receiver progress(?) from the past.

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From arc5 at ix.netcom.com Tue Jul 31 12:52:30 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 31 Jul 2012 11:52:30 -0500
Subject: [BoatAnchors] [Milsurplus] OK Smart People- Back Bias
In-Reply-To: <45206C69-ADAE-4E2D-8BE4-C86F742B4839@aol.com>
References: <9484D3469FB4421787897E74047960D1@CompaqSR5710F>
<45206C69-ADAE-4E2D-8BE4-C86F742B4839@aol.com>
Message-ID: <90AF0ED6C212456B9B788DD246D2BBE9@CompaqSR5710F>

Thanks, All.
The battery solution seems best.

----- Original Message -----
From: "mac" <w7qho at aol.com>
To: "David Stinson" <arc5 at ix.netcom.com>
Cc: <milsurplus at mailman.qth.net>; <boatanchors at mailman.qth.net>;
<boatanchors at theporch.com>
Sent: Tuesday, July 31, 2012 11:47 AM

Subject: Re: [Milsurplus] OK Smart People- Back Bias

> Might "work" in the sense that you'll hear something but won't
> provide the required negative bias voltages. Quick and dirty, would
> recommend stacking up 5 AA cells to give you -7.5 volts bias for the
> 1D8 grid and the AVC circuits. Single 9 volt battery might work OK too.
>
> Dennis D. W7QHO
> Glendale, CA
>
> *****
> On Jul 31, 2012, at 8:51 AM, David Stinson wrote:
>
>> I'd like to make a temporary "tacked-in" change so I can
>> use a supply with B- grounded for a short time.
>> Will 5-volt zeners connected this way work?
>>
>> <http://home.netcom.com/~arc5/bias/zenerbias.jpg>
>
>

From kd5byb at kd5byb.net Tue Jul 31 18:52:28 2012
From: kd5byb at kd5byb.net (Ben Hall)
Date: Tue, 31 Jul 2012 17:52:28 -0500
Subject: [BoatAnchors] RCP Manual Online.
Message-ID: <501861AC.8030401@kd5byb.net>

Good evening all,

Several weeks ago I bought a manual for the Civil Aeronautics
Administration RCP receiver. (manufactured by National, modified by
Schuttig and Company)

A scan of the manual is available here:

<<http://www.kd5byb.net/RCP/RCP.pdf>>

For those unfamiliar with the RCP: It is a classic PW-dial,
rack-n-pinion sliding catacomb band switching receiver (starting life as
an RCL or RCK receiver) that was modified to have a squelch feature
(which they called Carrier Operated Noise Suppression (CONS)) and a
provision for switching crystal tuning and standard local oscillator tuning.

It seems like they would have been perfect air traffic control receivers
- normally, you engage crystal control and the squelch. When an

aircraft called, it would break squelch. If they were off-frequency, switch off the crystal and go to standard L0 tuning.

I have one that spent some time half-submerged under water that looks like garbage but has been nursed back to health by yours truly. :)

thanks much and 73,
ben, kd5byb

From kd5byb at kd5byb.net Tue Jul 31 20:22:58 2012
From: kd5byb at kd5byb.net (Ben Hall)
Date: Tue, 31 Jul 2012 19:22:58 -0500
Subject: [BoatAnchors] High Voltage Power Supply
Message-ID: <501876E2.6010208@kd5byb.net>

Evening all,

Some time ago I shared some work I was doing here on a solid-state variable power supply based on the following article:

<<http://www.next-tube.com/articles/hvs/hvrEn.pdf>>

Of course, the goal here is to use solid-state to make life easier and better for my vacuum-tube friends, including a Wireless Set 19, a Chinese copy of the Angry-9, etc...

I took into account a lot of good feedback from folks here on the list, including some of the following:

- 1) The IRF744 MOSFET was replaced with a STW13NK100Z unit rated at 1000 volts.
- 2) The MJE13003 NPN bipolar was replaced with a BUL216, rated at 800 volts.
- 3) Even though the STW13NK100Z has intrinsic gate to source protection diodes, a 15 volt zener was added externally.
- 4) The 1N5235 zener current limiter was replaced with an NPN transistor limiter (that steals gate drive away from the MOSFET gate) also using the BUL216 NPN.

A whole lot of bench testing followed and I was initially disappointed. The performance was lack-luster and I thought that the circuit was oscillating.

I put the unit away for awhile and got it out last weekend to experiment some more. I had been testing the unit with my Eico regulated supply.

It's limited to 400 VDC and I wanted to use something more representative.

A Hammond 274BX transformer was pulled out, a 10H choke came from the junk box (also a Hammond unit), a full-wave bridge was fabricated on turret board (four 1N4007's, two in series for each half of the secondary) and fitted with two pairs of 47uF 450VDC caps in series with balancing resistors for an approximately 900VDC rating. Standard C-L-C filtering.

The above was powered from a VARIAC, allowing some crude control over the voltage output of the setup. Additional testing commenced with the VARIAC/274BX/full-wave CLC filter setup as the power source.

This turned out to work extremely well - I had more control over the output voltage than I would have thought.

I confirmed that the unit was indeed oscillating. I could hear the MOSFET screaming in pain as it oscillated. (it was audible) I had forgotten that the article has a procedure for testing for and fixing oscillation, so I ended up increasing the value of C2. This stopped the oscillation.

I was rewarded with a regulator that worked extremely well. For a 270 VDC output, I could vary the input voltage from 300 to about 500 VDC with less than a volt of output change. I was able to vary the load from 10 mA to where the current limiter kicked in at 130 mA with again less than a volt of output change. (worth noting that at 130 mA, input voltage was down around 470 VDC)

About this time, a burning smell was detected and it was discovered that R3 was quite brown and hot.

I then remembered I had not adjusted the bias of VT1 for the increased input voltage. Being lazy, I tossed a 20 volt zener across R2, which regulated the bias at around 20 VDC. The article recommends 15 to 20 per my notes.

This did not make R3 any happier - I confirmed that R3 had about 200 VDC across it, far in excess of its 1 watt rating. :(

At this point, I came to the conclusion that I needed to sit down and think some about this circuit. Couple of things became obvious:

First, the original circuit called for 2W resistors for R1, R3, and R5.

I had used 1W units. Original design was 400VDC input, I was hitting over 500VDC with my transformer setup, so I need to look at all of the power ratings. 2W may not be enough. Second, I had set about to cure the oscillations out of order per the article.

So, this evening, I went back to the original C2 of 100pF, and increased R5 from 1K to 2.7K. I did not address the power dissipation problem in the resistors, as I did not intend to test for very long periods of time.

At this point, I do not believe it is oscillating, but my hearing is pretty poor. So I need to acquire or build a 100X scope probe to put the Tek 565M on it to see what is going on as I know I cannot trust my hearing any further.

So I'm happy to report I'm making progress, but once again need to fix/build/acquire something else to continue experimentation... ;)

thanks much and 73,
Ben, KD5BYB

From arc5 at ix.netcom.com Tue Jul 31 11:51:42 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 31 Jul 2012 10:51:42 -0500
Subject: [BoatAnchors] OK Smart People- Back Bias
Message-ID: <9484D3469FB4421787897E74047960D1@CompaqSR5710F>

I have a BC-474 receiver that, as originally designed, uses a backbias resistor in the B- lead to provide audio PA and AVC bias. R25 and C21 provide the bias. Here's the diagram:

<http://home.netcom.com/~arc5/bias/backbias.jpg>

I'd like to make a temporary "tacked-in" change so I can use a supply with B- grounded for a short time. Will 5-volt zeners connected this way work?

<http://home.netcom.com/~arc5/bias/zenerbias.jpg>

Thanks!

From john.shriver at gmail.com Tue Jul 31 21:00:17 2012
From: john.shriver at gmail.com (John Shriver)
Date: Tue, 31 Jul 2012 21:00:17 -0400
Subject: [BoatAnchors] High Voltage Power Supply
In-Reply-To: <501876E2.6010208@kd5byb.net>
References: <501876E2.6010208@kd5byb.net>
Message-ID: <AC03E848-3D8E-43A7-A688-7EDDF63271CA@gmail.com>

Just proving that amplifiers oscillate and oscillators amplify.

On Jul 31, 2012, at 8:22 PM, Ben Hall wrote:

>

> I confirmed that the unit was indeed oscillating. I could hear the MOSFET screaming in pain as it oscillated. (it was audible) I had forgotten that the article has a procedure for testing for and fixing oscillation, so I ended up increasing the value of C2. This stopped the oscillation.

>

From wb0eq at yahoo.com Tue Jul 31 21:46:46 2012

From: wb0eq at yahoo.com (John Sehring)

Date: Tue, 31 Jul 2012 18:46:46 -0700 (PDT)

Subject: [BoatAnchors] Halli SX-73

Message-ID: <1343785606.74272.YahooMailNeo@web161004.mail.bf1.yahoo.com>

Hi Gang,

You know, I've been on this list for around 17 years.? Folks still respond to my comments & even email me off list some times so I guess I'm still a member of the family in good standing.

I reckon I've "earned my stripes" here, although certainly not the gold braid that some have achieved.

One of the great things about this list is that it's maintained its civility very well through thick & thin.? Bravo!

For usual civilian use, the SX-100 will hold its own in most ways against much bulkier, heavier, costlier receivers, from different manufacturers.?

It represented a considerable forward step in the evolution of HF receivers.? (As has been pointed out here, the Halli S-76 started this whole new line of design.)

I've had three of 'em, restored 'em, so I think I know.?

As Collins (S-Line), and later, Drake (R-* and T-*), beautifully showed us, it wasn't just about bulk and weight any more.

I've? had a plethora of HF radios in my shack for every day use, everything from a National HRO and an NC-240 to an R-390A.? List includes SW and hamband only HF receivers.

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

>From: WA1KBQ at aol.com

>You're just kidding here correct? The SX-100 is a toy compared to the?
>heavyweights you are comparing it with. I hope we don't have to re-hash all the?
>various and significant engineering differences here all over again. The
>SX-100? cost much less for a very good reason.

>Regards, Greg

From WA1KBQ at aol.com Tue Jul 31 21:52:18 2012
From: WA1KBQ at aol.com (WA1KBQ at aol.com)
Date: Tue, 31 Jul 2012 21:52:18 -0400 (EDT)
Subject: [BoatAnchors] Halli SX-73
Message-ID: <272ac.6d0f9029.3d49e5d2@aol.com>

>Another vastly over-complicated radio was the Halli SX-88. It did not
>deliver performance commensurate with its cost & complexity.

<http://www.w1vd.com/HallicraftersSX-88.html>
(<http://www.w1vd.com/HallicraftersSX-88.html>)

In a message dated 7/31/2012 9:47:18 P.M. Eastern Daylight Time,
wb0eq at yahoo.com writes:

Hi Gang,

You know, I've been on this list for around 17 years. Folks still respond to my comments & even email me off list some times so I guess I'm still a member of the family in good standing.

I reckon I've "earned my stripes" here, although certainly not the gold braid that some have achieved.

One of the great things about this list is that it's maintained its civility very well through thick & thin. Bravo!

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I've had three of 'em, restored 'em, so I think I know.

As Collins (S-Line), and later, Drake (R-* and T-*), beautifully showed us, it wasn't just about bulk and weight any more.

I've had a plethora of HF radios in my shack for every day use, everything from a National HRO and an NC-240 to an R-390A. List includes SW and hamband only HF receivers.

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

>From: WA1KBQ at aol.com

>You're just kidding here correct? The SX-100 is a toy compared to the
>heavyweights you are comparing it with. I hope we don't have to re-hash
all the
>various and significant engineering differences here all over again. The
>SX-100 cost much less for a very good reason.

>Regards, Greg

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From nbroline at austin.rr.com Tue Jul 31 23:07:44 2012
From: nbroline at austin.rr.com (Nick Broline)
Date: Tue, 31 Jul 2012 22:07:44 -0500
Subject: [BoatAnchors] Obtaining back-bias easy
In-Reply-To: <mailman.3.1343782824.3859.boatanchors@theporch.com>
References: <mailman.3.1343782824.3859.boatanchors@theporch.com>
Message-ID: <613ED5B6C8B44955B9EF4ACFB2926340@newdualath>

The proposed schematic won't work because there is no driving current available to bias the zener diodes. Zeners need a minimum current to create a voltage drop, and the current you need for bias is negligible compared to what Zeners like to see.

However, one might think of intercepting a bit of the L.O. energy and rectifying it to produce a negative voltage that CAN be reduced to provide the desired voltage.

Note the impedance of the circuits serviced with the bias is remarkably high, so creating a suitable bias voltage with a resistive divider is adequate.....no requirement for a zener.

By keeping the load on the bias supply very low, the energy scavenged from the L.O. will be insignificant. (Here, I am tacitly assuming the LO is swinging a reasonable voltage to feed the first converter, and it is in the "volts" range, not the millivolts range. To avoid a rising bias voltage with increase in L.O. frequency the coupling cap to the oscillator should not necessarily be tiny....maybe 100 uufd for starters????

If you'd like a straw-man schematic I'd be happy to scan one and send it directly.

73,

Nick Broline
W5FUA
512 327 7425

We shall not cease from exploration
And at the end of exploring
Will be to arrive where we started
And know the place for the first time.
T.S. Eliot--"Little Gidding"